

SDMS US EPA REGION V -1

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Environmental Services REAC
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LOCKHEED MARTIN

DATE: 5 August 1999
TO: Andre Zownir, U.S. EPA/ERTC Work Assignment Manager
FROM: Michael Metz, REAC Task Leader *M. Metz*
SUBJECT: South Central Terminal - Pana, Illinois
Work Assignment RIA 00072 - PRELIMINARY TRIP REPORT

BACKGROUND

The United States Environmental Protection Agency (U.S. EPA)/Region V requested the assistance of the United States Environmental Protection Agency/Environmental Response Team Center (U.S. EPA/ERTC) at the abandoned South Central Terminal Site in Pana, Illinois to assess the contents of various tanks, vats, vessels, drums, and process lines. The facility was shut down in the early 1980s. There are 59 tanks with capacities ranging from 1,128 to 3,000,000 gallons, along with transformers, a process area and an asphalt plant. The U.S. EPA/Region V is performing an extent of contamination survey at this site and wants to differentiate between oil wastes and other hazardous wastes.

The purpose of the work assignment was for the Response Engineering and Analytical Contract (REAC) to provide technical assistance to the U.S. EPA/ERTC for on-site sampling of tanks, drums, transformers, and other vessels at the South Central Terminal site in Pana, Illinois. In addition, 21 bulk asbestos samples were taken from several on-site locations. Hazardous Categorization (HazCat) was performed on all samples collected. Samples are currently being analyzed by REAC laboratories and a subcontracted laboratory for volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), total organic halogen (TOX), TAL metals, polychlorinated biphenols (PCBs), british thermal units (BTU), sulfides, ammonia, and asbestos content. Data generated from this assignment will be reviewed and validated using REAC/ERTC data validation guidelines and procedures.

OBSERVATIONS AND ACTIVITIES

The objectives of the tank sampling were as follows: 1) locate each tank on-site, 2) obtain access to each tank, 3) clarify the tank number label, 4) perform air monitoring using a lower explosive limit (LEL) meter, and a photo ionization detector, and record the results, 5) determine level of material within tank, 6) determine best way to obtain sample from tank, 7) determine if layers of different material exist within the tank and determine layer amounts, 8) obtain sample, enough for HazCat, laboratory analysis, and archiving, 9) ship samples back to REAC laboratory for HazCat, laboratory analysis, and archiving. Individual tank and transformer information was documented on tank sampling worksheets. Appendix A contains the tank sampling worksheets along with each individual HazCat analysis flowchart. Appendix B contains the bulk asbestos sampling work sheets.

Tank material volumes and HazCat results are listed in Table 1. Table 2 indicates the analytical process chosen for the tank samples as determined by the U.S. EPA/ERTC work assignment manager based on the HazCat results. Figure 1 shows the locations of the tanks at the South Central Terminal site.

On 12 July 1999, REAC personnel arrived at the abandoned South Central Terminal in Pana, Illinois. Upon arrival, the REAC team met with the U.S. EPA/ERTC work assignment manager, the U.S. EPA/Region V on-scene coordinator (OSC), and members of the U.S. EPA/Region V START Team. A health and safety meeting was held to discuss the site's safety issues prior to commencement of the work.

Using various tank sampling techniques, REAC obtained samples from four tanks and a fifth tank was determined to be empty. Small, horizontal tanks 300 and 301 are each partially full. Small tank 302 is nearly full with two layers, the top layer a thick oil, and the bottom layer a clear liquid. Tank 303 is empty. Tank 304 is partially full of a clear, volatile liquid. Sampling activities were completed for the day.

On 13 July 1999, 17 tanks were assessed in the following order over the course of the day. Tank 101 is empty. Two inches of clear liquid are in Tank 100. Tank 102 has one foot of a musty, watery material. Tank 108 has an open man-way, six inches of an oily liquid, and four inches of sediment. Tank 109 has an open man-way, 18 inches of an oily liquid, and six inches of sediment. Tank 110 is empty. Tank 103 has three feet of a musty, watery material. Horizontal tank 112 and tank 104 are empty. Tank 111 has two inches of an oily black liquid. Tank 113 has three inches of an oily black putrid liquid and three inches of sludge. Tanks 40, 41, 42, 43 have from one to three inches of a thick black oil. Tank 6 has nine inches of an oily black liquid. Tank 13 has two feet of a clear liquid. Sampling was completed for the day.

Also on 13 July 1999, 13 asbestos bulk samples were taken from various locations on the site. Samples were taken from suspect materials indicated by the U.S. EPA/ERTC work assignment manager. Locations of the bulk samples are indicated in the sampling worksheets in Appendix B.

On 14 July 1999, 16 tanks were assessed in the following order over the course of the day. Tank 309 has one inch of a thick black oil. Tank 32 was leaking a reddish liquid from the man-way. It has 15 feet of material within the tank, or approximately 140,000 gallons. There is a top layer of black oil determined to be approximately three feet thick. Tank 34 has one inch of an oily black liquid. Tank 31 has one inch of a brownish liquid. Tank 30 has one inch of a brownish liquid. Tanks 311, 312, 313, and 314 are all part of the API separator area. Tank 311 has nine feet of an oily black liquid. Tank 312 appears to be leaking from the bottom and has six inches of an oily black liquid. Tank 313 has six feet of material made up of approximately one foot of sludge, five feet of a clear liquid and two inches of a thick black oil. Tank 314 has six inches of a yellowish liquid. Tank 90, although only having one foot of an oily, black liquid which measured below the man-way, leaked when the man-way was loosened. The sample was obtained from the top. Tank 400 is empty. The horizontal tanks 401, 402, 403 and 404 appeared to be part of the asphalt plant and were each approximately half full of a thick black oil. Tank 403 contained a thicker tar-like material. Tank 310 has two inches of material, and appeared to have leaked much of its contents on the ground surrounding the tank. The sample of thick black material was taken from the spilled material. Samples taken to this point were shipped back to REAC laboratories. Sampling was completed for the day.

On 15 July 1999, 15 tanks and 6 transformers were assessed in the following order over the course of the day. There are ten vertical tanks in the area known as the asphalt plant, Tanks 405 to 414. Tank 405 is empty. Tanks 406, 408, 410, 412, 413, and 414 each have three feet or less of a black tar-like liquid. Tank 407 has nine feet of black tar-like liquid. Tank 411 has 16 feet of black tar-like liquid. Tank 409 has 17 feet of thick tar. Tank 115 contains one and a half feet of a black liquid. Tank 119 contains 10 feet of a black liquid which calculates to approximately 265,000 gallons. Tank 118 contains one foot of a black liquid. Tank 117 is surrounded by a black liquid which appears to have leaked from the tank. The tank itself contains about six inches of the same black liquid. Tank 19 is surrounded by the same black liquid but the tank itself is empty. Tank 37 is also surrounded by the same black liquid but access to the tank itself was not possible due to liquid's depth. Transformers were sampled in two areas. Three transformers are located within Building K, the storage building. A composite of the three transformers was taken and labeled T1. T2 is a composite sample of the three transformers located between Tank 90 and the Machine Shop. Sampling was completed for the day.

On 16 July 1999, 5 tanks, 1 transformer, and the entire processing area were assessed in the following order over the course of the day. Tank 116 contains 25 feet of a black liquid or approximately 662,000 gallons. Tanks 305 and 306 appear to be twin tanks. Tank 305 contained 16 feet or approximately 1867 gallons of a solid white granular material. Tank 306 was not sampled but contained 15 feet of a solid material. Tank 307, containing approximately 11 feet or 1283 gallons of a brownish liquid, was sampled using the valve on the sight glass. It was determined that Tank 308 contained the same material though an accurate volume was not determined. A composite sample, T3, was obtained from a pair of transformers and a pair of reactors located within the processing area.

All of the lines within the processing area were checked to see if there is material contained within. Several of the processing lines still did contain an oily black liquid. These lines were marked using white spray paint. It was not determined the amount of material still contained within the processing area. Also, the vessels within the process area were marked using a grease pen indicating the contents.

Also on 16 July 1999, 8 asbestos bulk samples were taken from various locations on the site. Samples were taken from suspect materials indicated by the U.S. EPA/ERTC work assignment manager. Locations of the bulk samples are indicated on the sampling worksheets in Appendix B.

FUTURE ACTIVITIES

Preliminary analytical results are expected by 11 August 1999. Preliminary analytical results will be issued to the U.S. EPA work assignment manager upon receipt. A final trip report will be generated when the final analytical results are released. No further site activity is expected.

cc: Central File WA 00072

Tables

TABLE 1
Estimated Tank Material Volumes &
Hazardous Categorization Results
South Central Terminal
R1A 00072
Pana, Illinois
August 1999

Tank Number	Tank Material Height (in-ft)	Estimated Material Volume (gallons)	Description of Material	HazCat Results
6	0.75	1772	Oily Black Liquid	Possible PCB
13	2	2800	Flammable Clear Liquid	Possible PCB
19	-	EMPTY	EMPTY	-
30	0.0833	887	Brownish Liquid	Organic Liquid
31	0.0833	887	Brownish Liquid	Organic Liquid
32A	15	140637	Oily Black Liquid	Possible PCB
32B			Brownish Liquid	Water
34	0.0833	457	Black Liquid	Organic Liquid
37	?	?	Unable to Access (Similar to Tank 117)	?
40	0.166	393	Oily Black Liquid	Possible PCB
41	0.0833	197	Oily Black Liquid	Possible PCB
42	0.25	593	Oily Black Liquid	Possible PCB
43	0.166	393	Oily Black Liquid	Oil
90	0.166	9295	Black Tar-like Liquid	Oil
100	0.166	118	Flammable Clear Liquid	Unsaturated Oil
101	0	EMPTY	EMPTY	-
102	1	6532	Dark Liquid	Water & Rust
103	0.25	921	Musty Dirty Liquid	Water & Rust
104	0	EMPTY	EMPTY	-
108	0.833	11194	Black Liquid	Organic Liquid
109	0.166	2179	Musty Dirty Liquid	Water & Rust
110	0	EMPTY	EMPTY	-
111	0.166	1320	Oily Black Liquid	Oil
112	0	EMPTY	EMPTY	-
113	0.5	2658	Black Liquid	Organic Liquid
115	1.5	43217	Black Liquid	Organic Liquid
116	25	662562	Black Liquid	Organic Liquid
117	0.5	13251	Black Liquid	Organic Liquid
118	1	26502	Black Liquid	Possible PCB
119	10	265025	Black Liquid	Organic Liquid
300	4	372	Flammable Dark Liquid	Gasoline
301	2	186	Oily Black Liquid	Oil
302A	5.33	7009	Oily Black Liquid	Oil
302B			Clear Liquid	Water
303	0	EMPTY	EMPTY	-
304	21	4513	Flammable Amber Liquid	BTEX
305	16	1867	White Granular Solid	Organic Solid
306	15	1750	Not Sampled-assumed same as 305	-
307	11	1283	Flammable Clear Liquid	BTEX
308	?	?	Not Sampled-assumed same	-

Table 1 (con't)

Tank Number	Tank Material Height (liq-ft)	Estimated Material Volume (gallons)	Description of Material	HazCat Results
			as 307	
309	0.0833	39	Black Tar-like Liquid	Possible PCB
310	0.166	118	Black Tar-like Liquid	Tar
311	9	5282	Oily Black Liquid	Oil
312	0.5	293	Oily Black Liquid	Possible PCB
313A	6	5158	Oily Black Liquid	Possible PCB
313B			Clear Liquid	Water
314	0.5	430	Clear Yellowish Liquid	Water & Rust
400	0	EMPTY	EMPTY	-
401	17	12045	Oily Black Liquid	Possible PCB
402	17	12045	Oily Black Liquid	Oil
403	17	12045	Black Tar-like Liquid	Organic Liquid
404	17	12045	Oily Black Liquid	Possible PCB
405	0	EMPTY	EMPTY	-
406	0.25	648	Oily Black Liquid	Possible PCB
407	9	23337	Black Tar-like Liquid	Possible PCB
408	1.5	3890	Clear Brownish Liquid	Water & Rust
409	17	44082	Black Tar-like Solid	Organic Liquid
410	0.5	1297	Oily Black Liquid	Oil
411	16	41489	Black Tar-like Liquid	Oil
412	0.33	856	Rust and Oil Sludge	Organic Liquid
413	3	7779	Black Tar-like Liquid	Oil
414	0.33	856	Oily Black Liquid	Oil
T1 (3 Trans)		45	Clear Yellow Liquid	Unsaturated Oil
T2 (3 Trans)		45	Clear Yellow Liquid	Unsaturated Oil
T3 (2 Trans, 2 Reactors)		50	Clear Yellow Liquid	Unsaturated Oil

TABLE 2
Selected Analysis
South Central Terminal
R1A 00072
Pana, Illinois
August 1999

Tank Number	Estimated Material Volume (gallons)	Description of Material	HazCat Results	Analysis Selected
6	1772	Oily Black Liquid	Possible PCB	PCB,TOX
13	2800	Flammable Clear Liquid	Possible PCB	PCB,TOX,TPH,MET,VOC,BTU
19	EMPTY	EMPTY	-	-
30	887	Brownish Liquid	Organic Liquid	TOX
31	887	Brownish Liquid	Organic Liquid	TOX
32A	140637	Oily Black Liquid	Possible PCB	PCB,TOX,TPH,BTU,SUL
32B		Brownish Liquid	Water	-
34	457	Black Liquid	Organic Liquid	TOX
37	?	Unable to Access (Similar to Tank 117)	?	-
40	393	Oily Black Liquid	Possible PCB	PCB,TOX
41	197	Oily Black Liquid	Possible PCB	PCB,TOX
42	593	Oily Black Liquid	Possible PCB	PCB,TOX
43	393	Oily Black Liquid	Oil	TOX
90	9295	Black Tar-like Liquid	Oil	PCB,TOX,TPH,BTU,SUL
100	118	Flammable Clear Liquid	Unsaturated Oil	TOX,TPH,MET,VOC,BTU
101	EMPTY	EMPTY	-	-
102	6532	Dark Liquid	Water & Rust	TOX,TPH,MET,VOC,BTU
103	921	Musty Dirty Liquid	Water & Rust	TOX
104	EMPTY	EMPTY	-	-
108	11194	Black Liquid	Organic Liquid	TOX,TPH,MET,VOC,BTU
109	2179	Musty Dirty Liquid	Water & Rust	TOX
110	EMPTY	EMPTY	-	-
111	1320	Oily Black Liquid	Oil	TOX
112	EMPTY	EMPTY	-	-
113	2658	Black Liquid	Organic Liquid	PCB,MET,VOC,SUL NH3
115	43217	Black Liquid	Organic Liquid	PCB,MET,VOC,SUL NH3
116	662562	Black Liquid	Organic Liquid	PCB,MET,VOC,SUL NH3
117	13251	Black Liquid	Organic Liquid	PCB,MET,VOC,SUL NH3
118	26502	Black Liquid	Possible PCB	PCB,TOX,TPH,MET,VOC,BTU
119	265025	Black Liquid	Organic Liquid	PCB,MET,VOC,SUL NH3
300	372	Flammable Dark Liquid	Gasoline	TOX,TPH,MET,VOC,BTU
301	186	Oily Black Liquid	Oil	TOX
302A	7009	Oily Black Liquid	Oil	TOX,TPH,BTU,SUL
302B		Clear Liquid	Water	-
303	EMPTY	EMPTY	-	-
304	4513	Flammable Amber Liquid	BTEX	PCB,TOX,TPH,MET,VOC,BTU
305	1867	White Granular Solid	Organic Solid	TOX,MET,VOC
306	1750	Not Sampled-assumed same as 305	-	-
307	1283	Flammable Clear Liquid	BTEX	PCB,TOX,TPH,MET,VOC,BTU
308	?	Not Sampled-assumed same as 307	-	-
309	39	Black Tar-like Liquid	Possible PCB	TOX
310	118	Black Tar-like Liquid	Tar	TOX

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Table 2 (con't)

Tank Number	Estimated Material Volume (gallons)	Description of Material	HazCat Results	Analysis Selected
311	5282	Oily Black Liquid	Oil	PCB, TOX, TPH, BTU, SUL
312	293	Oily Black Liquid	Possible PCB	TOX
313A	5158	Oily Black Liquid	Possible PCB	PCB, TOX, TPH, BTU, SUL
313B		Clear Liquid	Water	-
314	430	Clear Yellowish Liquid	Water & Rust	TOX
400	EMPTY	EMPTY	-	-
401	12045	Oily Black Liquid	Possible PCB	PCB, TOX, TPH, BTU, SUL
402	12045	Oily Black Liquid	Oil	PCB, TOX, TPH, BTU, SUL
403	12045	Black Tar-like Liquid	Organic Liquid	PCB, TOX, TPH, BTU, SUL
404	12045	Oily Black Liquid	Possible PCB	PCB, TOX, TPH, BTU, SUL
405	EMPTY	EMPTY	-	-
406	648	Oily Black Liquid	Possible PCB	TOX
407	23337	Black Tar-like Liquid	Possible PCB	PCB, TOX, TPH, BTU, SUL
408	3890	Clear Brownish Liquid	Water & Rust	TOX, TPH, MET, VOC, BTU
409	44082	Black Tar-like Solid	Organic Liquid	PCB, TOX, TPH, BTU, SUL
410	1297	Oily Black Liquid	Oil	TOX
411	41489	Black Tar-like Liquid	Oil	PCB, TOX, TPH, BTU, SUL
412	856	Rust and Oil Sludge	Organic Liquid	TOX
413	7779	Black Tar-like Liquid	Oil	PCB, TOX, TPH, BTU, SUL
414	856	Oily Black Liquid	Oil	TOX
T1 (3 Trans)	45	Clear Yellow Liquid	Unsaturated Oil	PCB
T2 (3 Trans)	45	Clear Yellow Liquid	Unsaturated Oil	PCB
T3 (2 Trans, 2 Reactors)	50	Clear Yellow Liquid	Unsaturated Oil	PCB

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PCB - polychlorinated biphenols

TOX- total organic halogens

TPH - total petroleum hydrocarbons

MET - TAL metals

VOC - volatile organic compounds

BTU - british thermal unit

SUL - sulfides

NH3 - ammonia

Figures

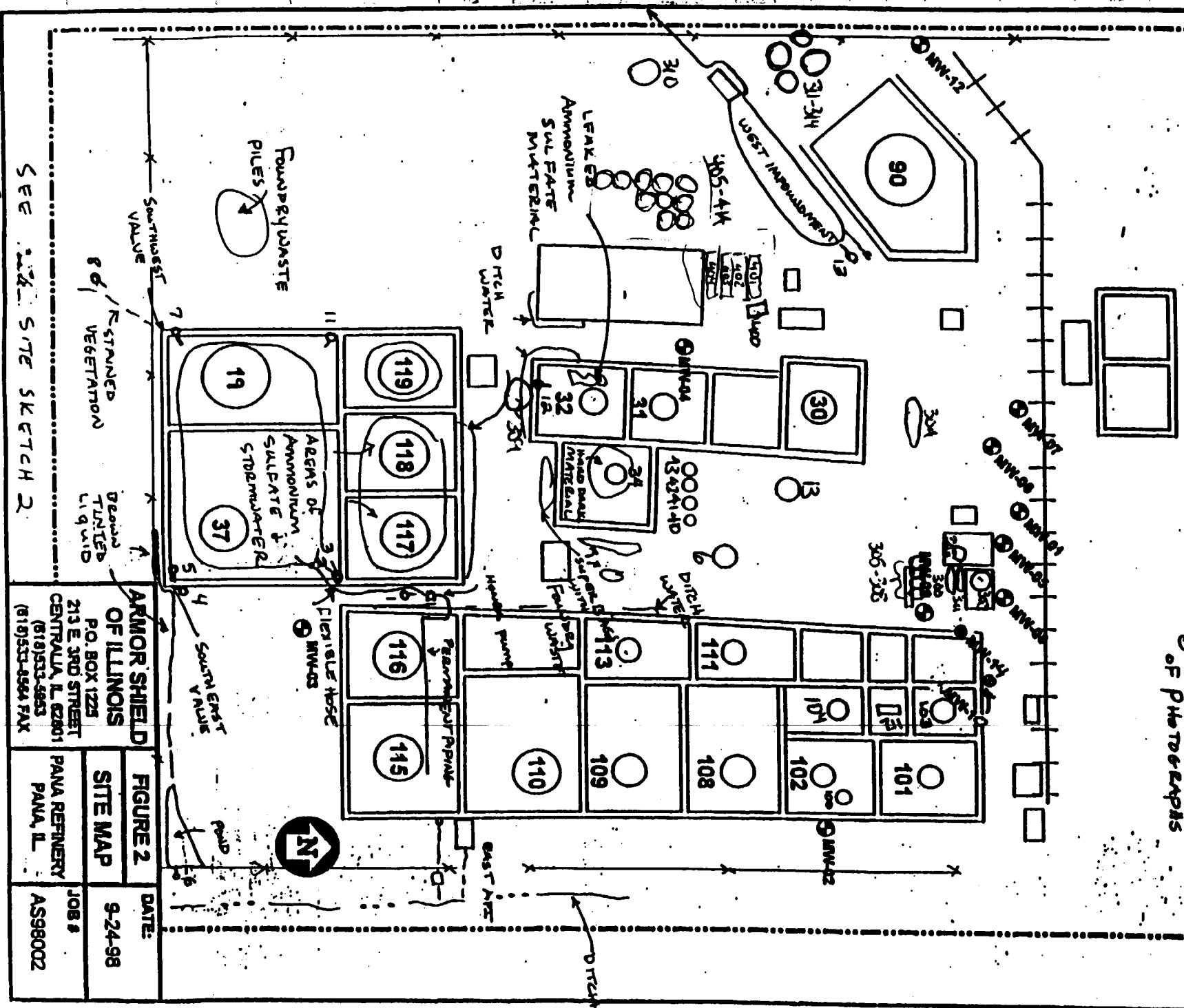
FIGURE 1

**Site Map
Approximate Tank Locations
South Central Terminal
Pana, Illinois
July 1999**

Panel South Central Terminal
SITE SKETCHED

Time: 10: AM - 11:30 AM

Key: \odot INDICATES DIRECTION & LOCATION
OF PHOTOGRAPHS



Appendix A

APPENDIX A

**Tank Sampling Work Sheets &
HazCat Flowchart Sheets
South Central Terminal
Pana, Illinois
R1A 00072
August 1999**



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet



Lockheed Martin Corp., Edison, NJ
 EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz Pereira

U.S. EPA/ERTC WAM: Zewair

Date: 7/13/99

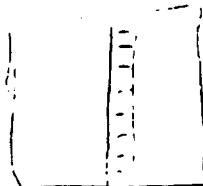
REAC Task Leader: Metz

Drum/Tank #: 6

Approximate Volume: ~9" liquid (oil)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26210	<i>Black Liquid</i>

Sampling Diagram



I EPA liter as scale

SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 18' 1" tall, 63" wide, 1000 bushels

3. Label present: No, Yes: 6

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: black liquid, Odor: petroleum, Vapors: HNU 70 ppm,

Other: water on top, leaking on top, 3 30-oz cans, tank went inside
into the ground 2 40-mL VOA,

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E D I T O R I A L S

C H A R T

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U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zownir

Date: 7/13/99

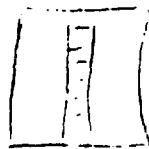
REAC Task Leader: Metz

Drum/Tank #: 13

Approximate Volume: ~1-2 feet of liquid and sludge

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26211	Flammable Clear Yellow, Smelly (Gas) - PCB
26240	Metals
26255	VOC

Sampling Diagram



TEFA line - Naphtha

Flammable

SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 16'3" tall - 7'11" wide, 500 barrels

3. Label present: No. Yes: 13

4. Spill or Leak present: No, Yes, Dimensions: _____

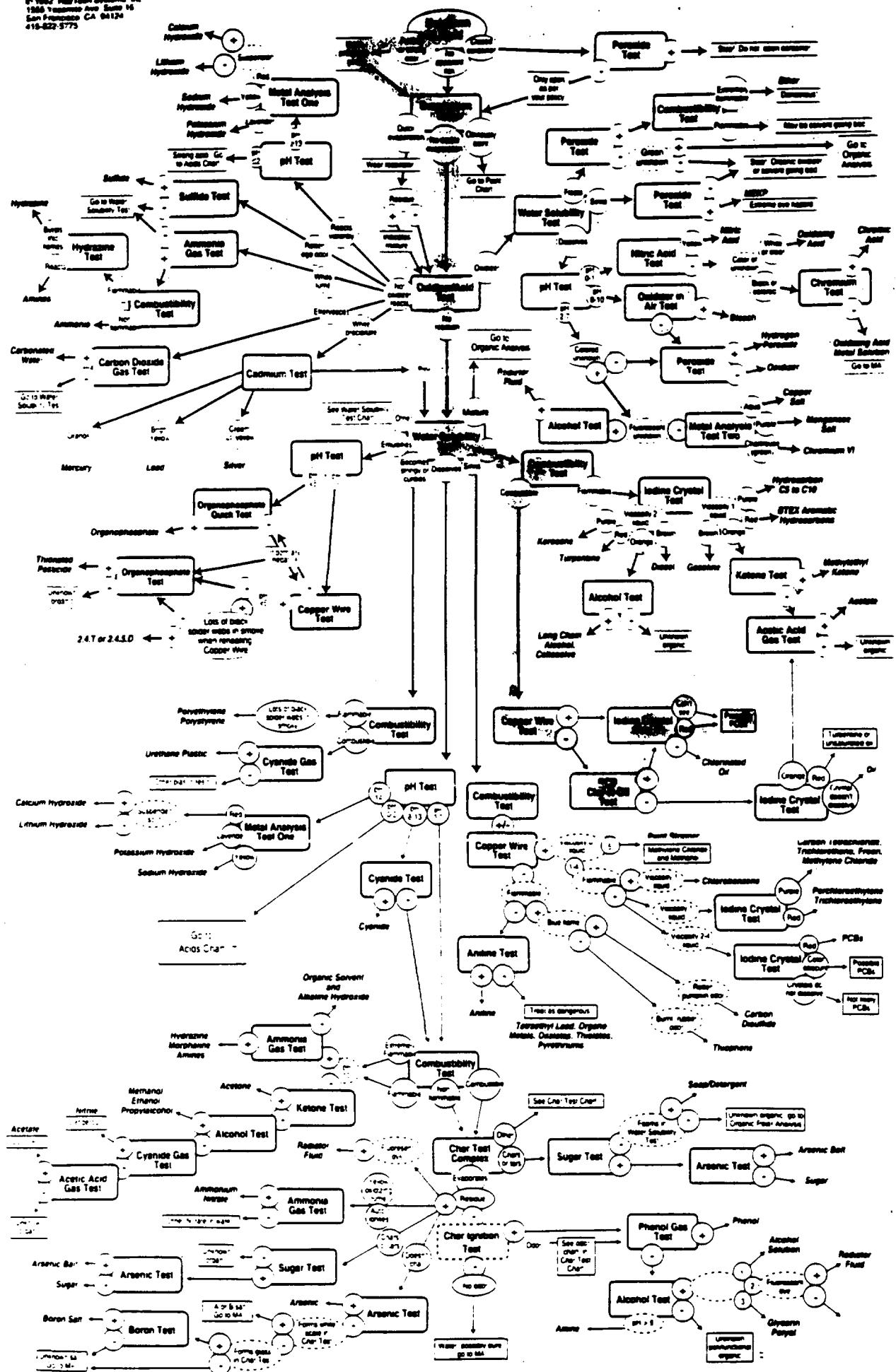
5. Description: liquid, solid (powder or crystals), sludge

6. Color: clear, yellow liquid, Odor: gasoline, Vapors: 4.00 ppm

Other: no leaks, holes or tears, 3 30-gal drums collected

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**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

Page ___ of ___



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA# R1A00071

Sampler: _____

U.S. EPA/ERTC WAM: Zo...:..

Date: 7/15/99

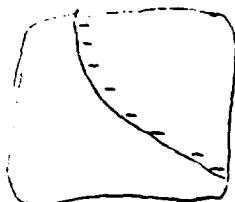
REAC Task Leader: M+Z

Drum/Tank #: 14

Approximate Volume: empty

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	TANK EMPTY - NO HAZCAT

Sampling Diagram



IEPA Int. w. 46/1-+

SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 40' x 20' x 10' are 5500 barrels

3. Label present: No, Yes: 19

4. Spill or Leak present: No, Yes, Dimensions: 900' x 200'

5. Description: liquid, solid (powder or crystals), sludge

6. Color: _____, Odor: _____, Vapors: _____

Other: left indicates tank d bottom of the tank



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zonair

Date: 7/14/95

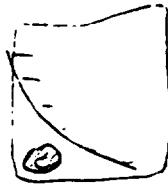
REAC Task Leader: Metz

Drum/Tank #: 30

Approximate Volume: ~1" product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



I EPA litter on Crude

SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 40'?" tall, 133" wide, 600 barrels

3. Label present: No, Yes: 30

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: brownish black, Odor: offensive, Vapors: P/D 20 ppm (mild), 3-4 ppm (strong)

Other: open port in manway, no bungs, opened manway to collect sample product
(7 32.9, 92.40 mL)

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U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page 1



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz, Parvira

U.S. EPA/ERTC WAM: Zannir

Date: 7/14/99

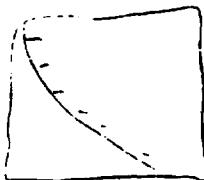
REAC Task Leader: Metz

Drum/Tank #: 31

Approximate Volume: ~1" product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



EPA label on 45° point

SAMPLE INFORMATION:

1. Container type: Drum. Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 40' 1 3/4" tall, 137 1/2" dia 10000 barrels

3. Label present: No, Yes: 31

4. Spill or Leak present: No. Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: brown/black, Odor: slight, Vapors: _____

Other: seen through manay, collect product for 1192CST (3 11:30, 1 40 min)

HAZCATS

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U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R140007?

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zonar

Date: 7/14/99

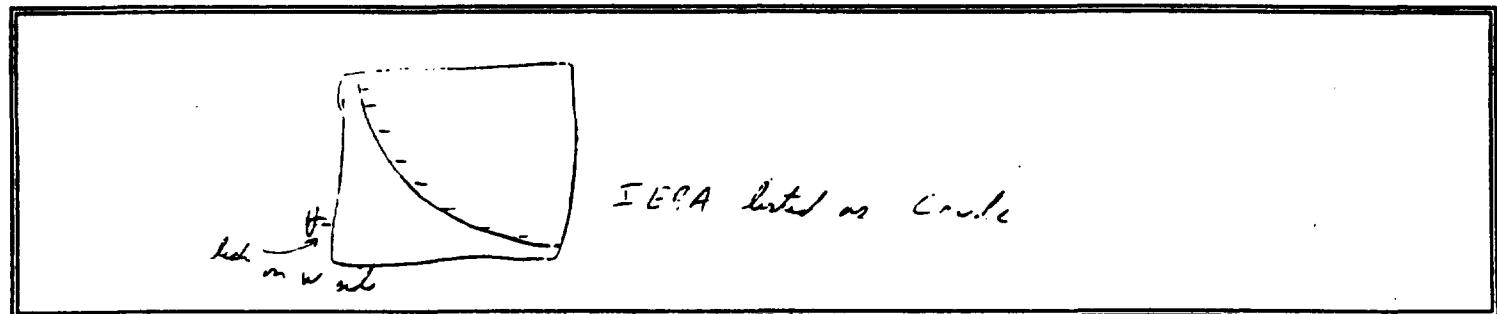
REAC Task Leader: Metz

Drum/Tank #: 32

Approximate Volume: 14-15' of residue

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26212	Block 0.1 - PCB
	Top layer ONLY

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 40' 3 1/2" tall, 15' 5 3/4" wide, 10,000 barrels

3. Label present: No, Yes: 32

4. Spill or Leak present: No, Yes, Dimensions: 20' x 40' (approx.)

5. Description: liquid, solid (powder or crystals), sludge

6. Color: Other: black or dark red/green, sample collected for HAZCAT test intact LEL ND

~~oil on top, ammonia/odor on bottom~~

HAZCAT®
CHART

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**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A0007J

Sampler: Metz, Parsons

U.S. EPA/ERTC WAM: Zownir

Date: 7/14/99

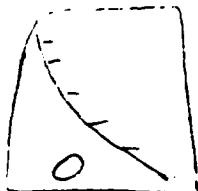
REAC Task Leader: Metz

Drum/Tank #: 34

Approximate Volume: <1" thick, 2-3' diameter

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



EPA label as #460

SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 48 3/4" tall, 36" dia, 6000 liters

3. Label present: No, Yes: 34

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

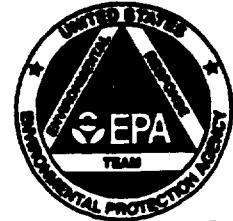
6. Color: black, Odor: -, Vapors: _____

Other: smoky black, possible leak from earlier time, Tg was intact



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U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: 72

Sampler: _____

U.S. EPA/ERTC WAM: ZOWNIR

Date: 7/15/99

REAC Task Leader: METZ

Drum/Tank #: 37

Approximate Volume: UNKNOWN

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	<u>UNABLE TO ACCESS</u>
	<u>SIMILAR TO TANK 19</u>

Sampling Diagram

SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____
 2. Container dimensions: Shape: _____
Approximate size: _____
 3. Label present: No, Yes: _____
 4. Spill or Leak present: No, Yes, Dimensions: _____
 5. Description: liquid, solid (powder or crystals), sludge
 6. Color: _____, Odor: _____, Vapors: _____
- Other: _____



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Site: SC+

WA# R1A00070

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zawair

Date: 7/12/99

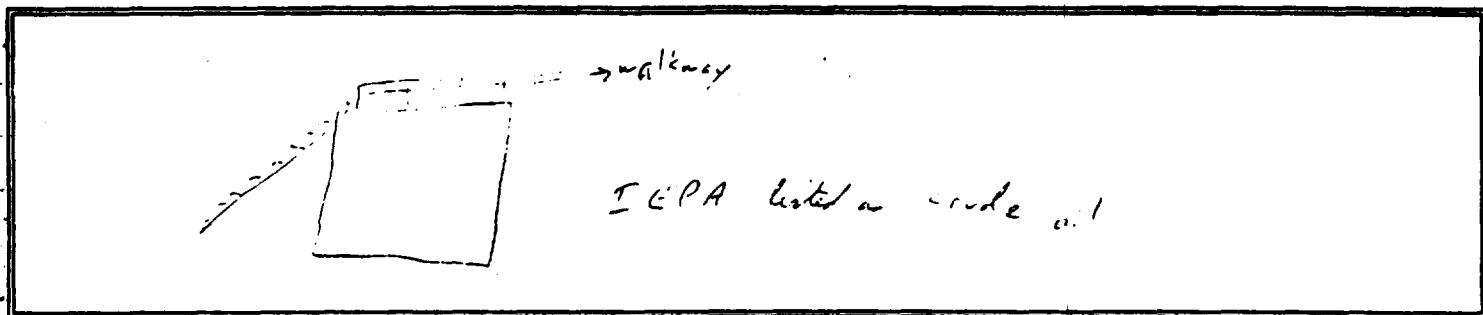
REAC Task Leader: Metz

Drum/Tank #: 40

Approximate Volume: ~2" crude oil

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26213	Black Oil - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 8'7" x 20' 6 3/4" wide, 1000 barrels

3. Label present: No Yes: 40

4. Spill or Leak present: No Yes, Dimensions: _____

5. Description: liquid liquid, solid solid (powder or crystals), sludge

6. Color: black, Odor: oily, Vapors: none open, little no

Other: no freshy drained

3 32-oz jars, 2 40-mL vials, collected

Page 01
REAC

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S I G N I D S
C H A R T**

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U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

- Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zommer

Date: 7/12/95

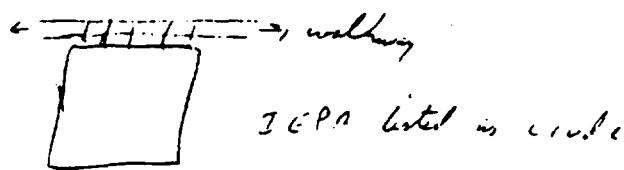
REAC Task Leader: Metz

Drum/Tank #: 41

Approximate Volume: ~ 1" crude oil

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26214	Black oily - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 18'6" tall, 63'1" wide, 1000 barrels

3. Label present: No, Yes: Y

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

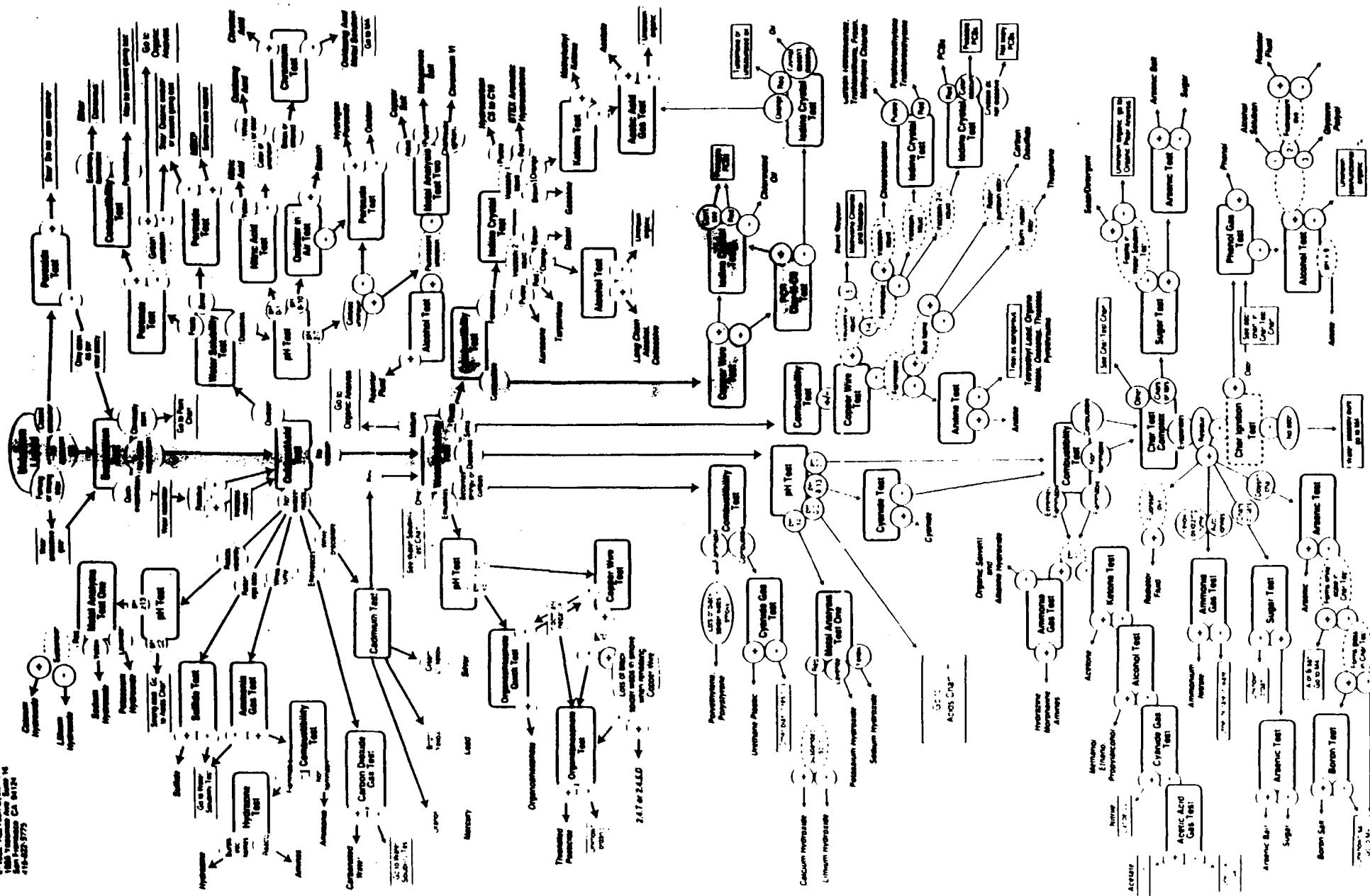
6. Color: brown, Odor: oily/petroleum, Vapors: HUV eman, LEL ND

Other: no brush, will collect 1 gal for comparison w/ tank 40

3 DDZ 144 1002

**HAZZCAT'S
HORRID CHART**

41 NF



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R 1A00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zonar

Date: 7/13/99

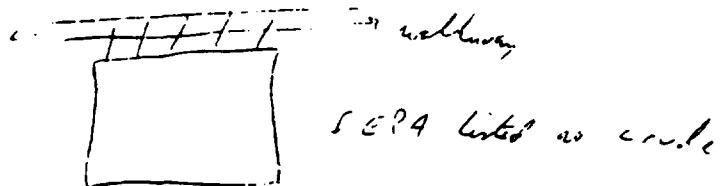
REAC Task Leader: Metz

Drum/Tank #: 42

Approximate Volume: ~3" oil

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26215	Black Oil - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 17' 4", 63' 0" L, 100 gal

3. Label present: No, Yes: 42

4. Spill or Leak present: No, Yes, Dimensions: _____

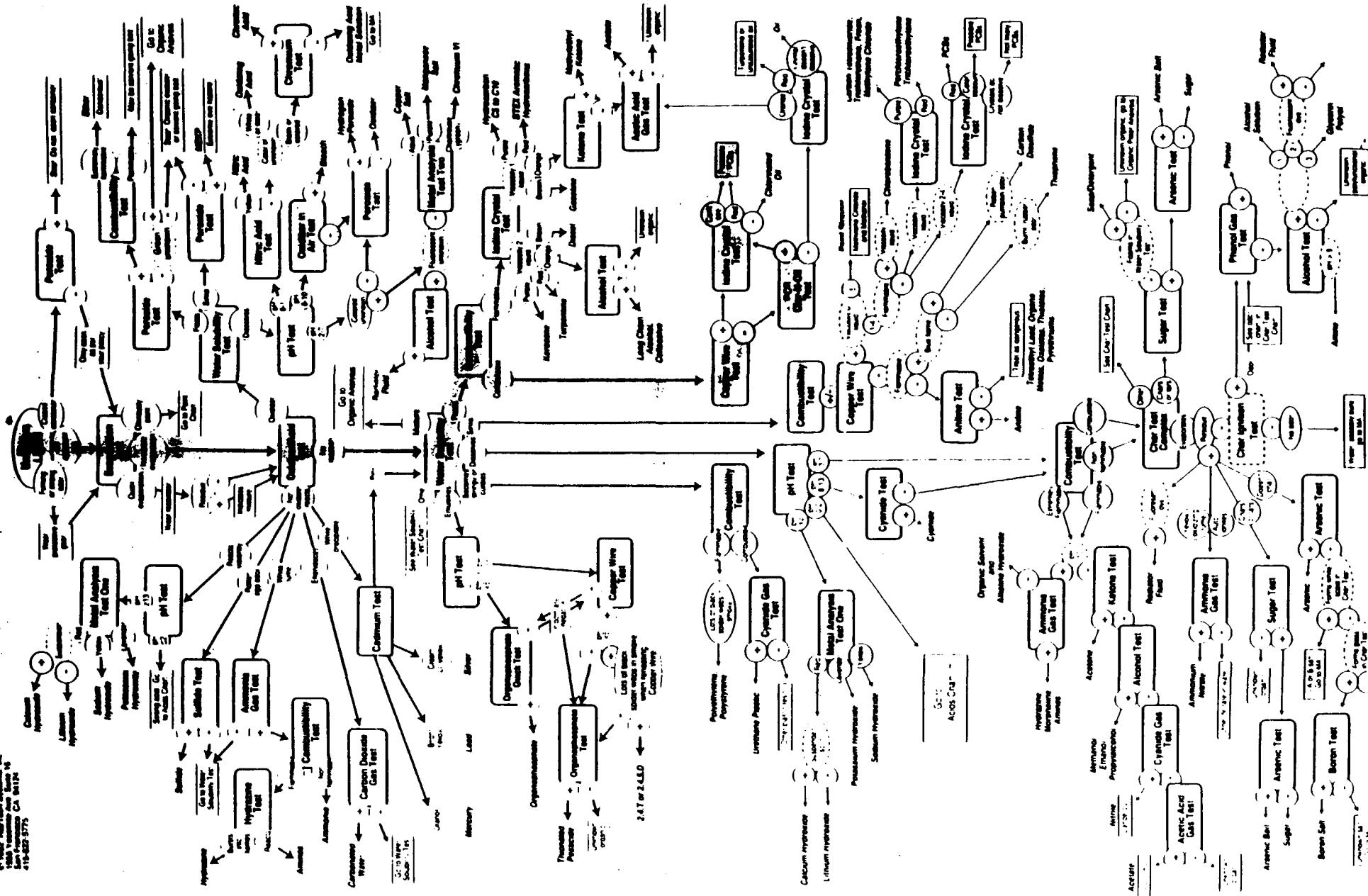
5. Description: liquid, solid (powder or crystals), sludge

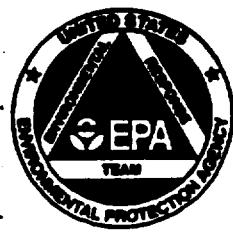
6. Color: black, Odor: oily, Vapors: no odor, LEL ND

Other: 1 gal (~23g) collected HAZCAT, no brush

HAZCAT[®] CHART

H2 NF





**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00073

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Z00-1r

Date: 7/13/99

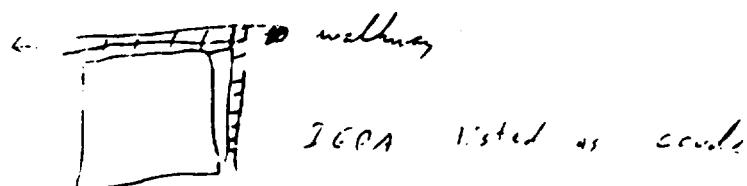
REAC Task Leader: Metz

Drum/Tank #: 43

Approximate Volume: ~ 2" oil

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 8'7" tall, 6'3 1/2" dia barrel

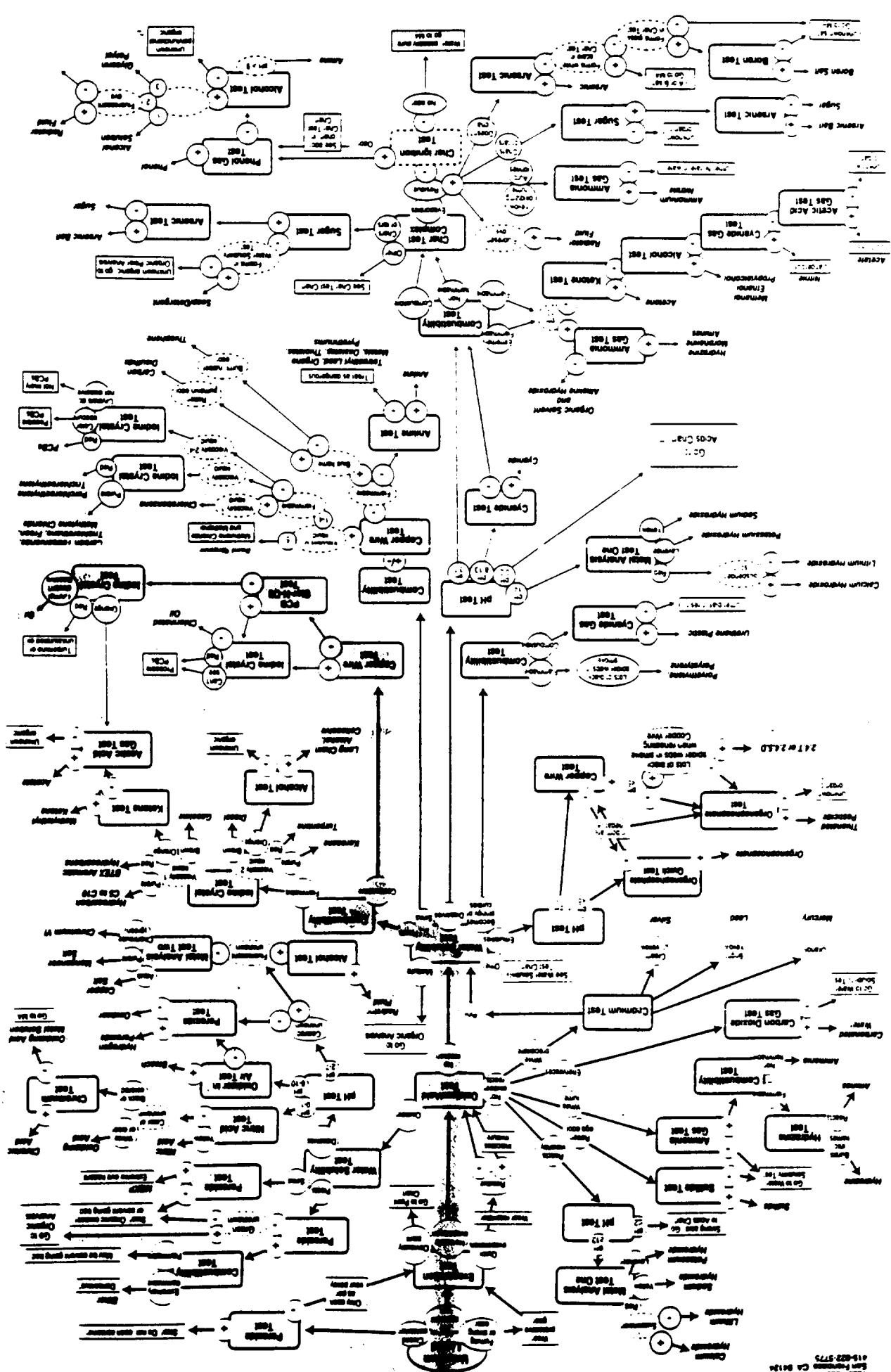
3. Label present: No, Yes: 43

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: brown, Odor: oil/petroleum, Vapors: pervasive, no ND

Other: 131-03 intact, no breaches



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T H I Q U I D S



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

Page ____ of ____

The logo for REAC, featuring the letters "REAC" in a bold, black, sans-serif font. The letter "A" is partially enclosed by a circular arrow that loops around it twice.

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: KA00072

Sampler: Metz, Percina

U.S. EPA/ERTC WAM: Z00001

Date: 7/14/99

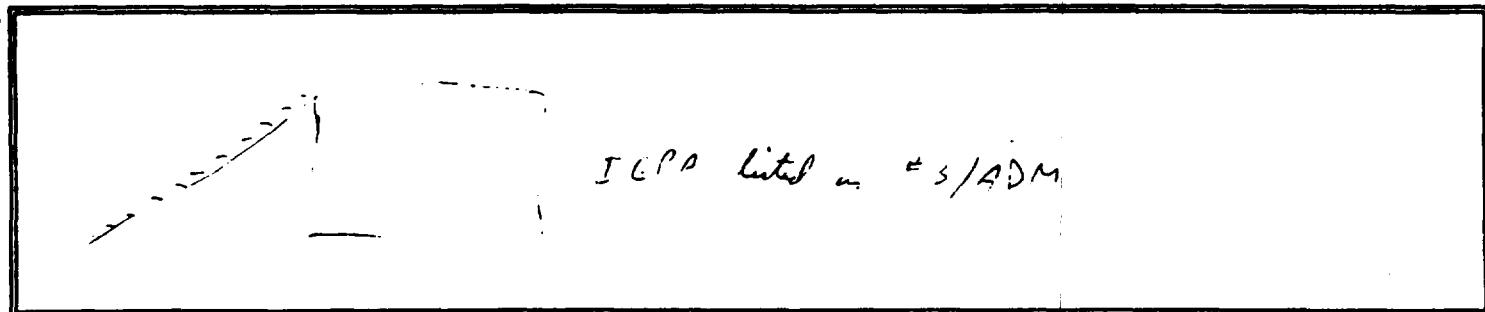
REAC Task Leader: Metz

Drum/Tank #: 90

Approximate Volume : $1\frac{1}{2}$ cu' short oil

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26216	<u>Black TAR-LIKE - PCR</u>

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical
Approximate size: 4' 8 1/2" tall, 7' 6 1/2" wide, 55 104 barrel

3. Label present: No, Yes: 92

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

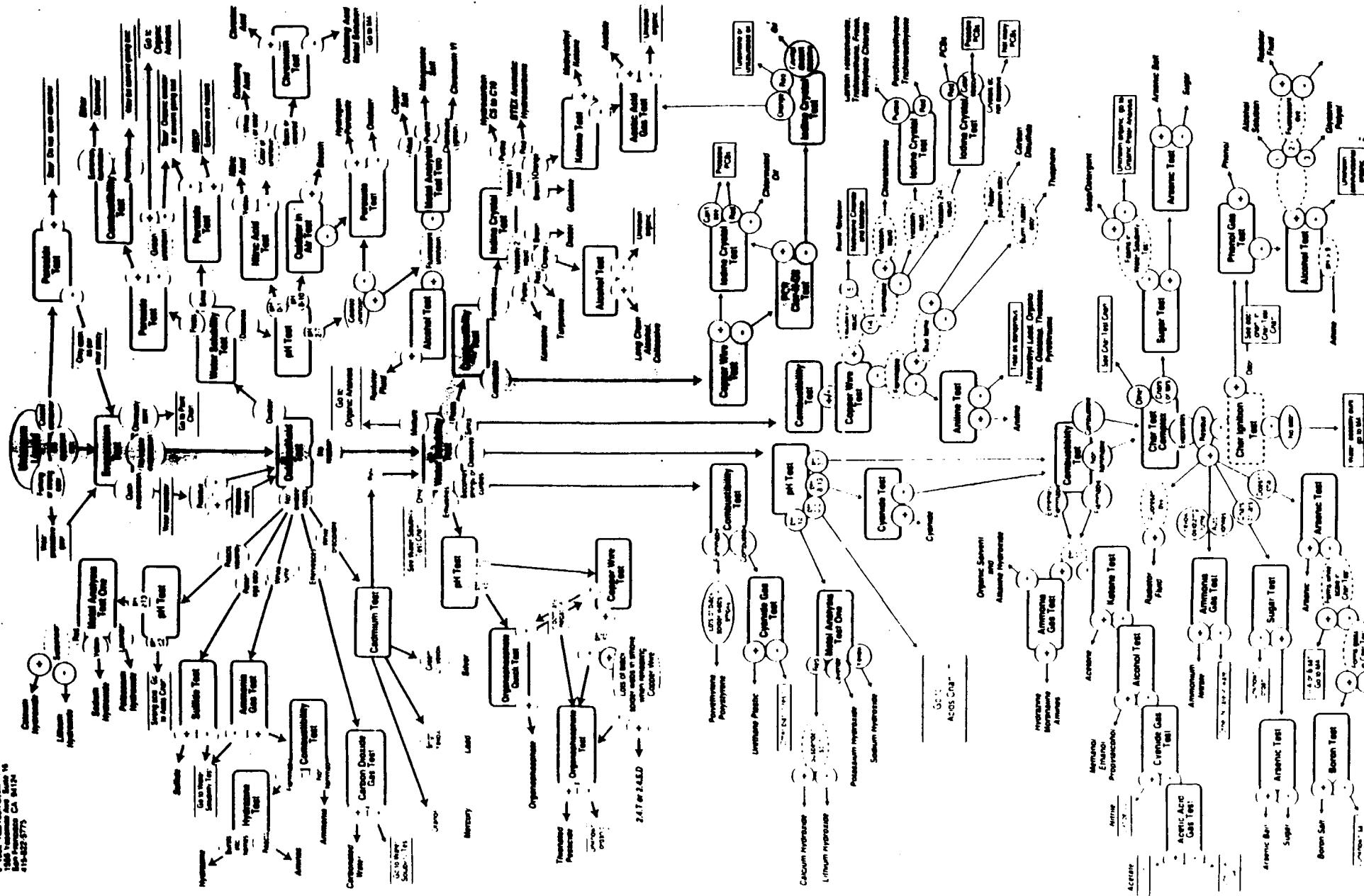
6. Color: black, Odor: petroleum, Vapors: PID 4.4 ppm

Other: water in reservoir removed by P.G.P.C., no tank liner, tank not connected to asphalt floor
restained by new P.G.P.C. after tank bypass
(tank may be tilted to W), no seal (3 1/2", 240 mL)

HAZCAT[®] CHART

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10000 Cutter Station Dr., Suite 10
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Cutter Station Inc.
415-322-3775

90 NF





U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz, Peering

U.S. EPA/ERTC WAM: Zoumire

Date: 7/13/99

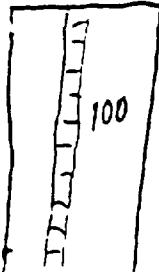
REAC Task Leader: Metz

Drum/Tank #: 100

Approximate Volume: no sludge, bottom is hard, 1" liquid

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26241	Clear Amber Liquid - metals
26256	- VOC's
	* Flammable

Sampling Diagram



HWW - 400 ppm
LEL/O₂ - 10% LFL / 7.7%

SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: Cylindrical

Approximate size: top 5.25 ft wide, 27' tall, 34' 7" circum.

3. Label present: No. Yes: None

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: _____, Odor: gasoline, Vapors: _____

Other: no visible holes on top of tank, no sludge, bottom is hard

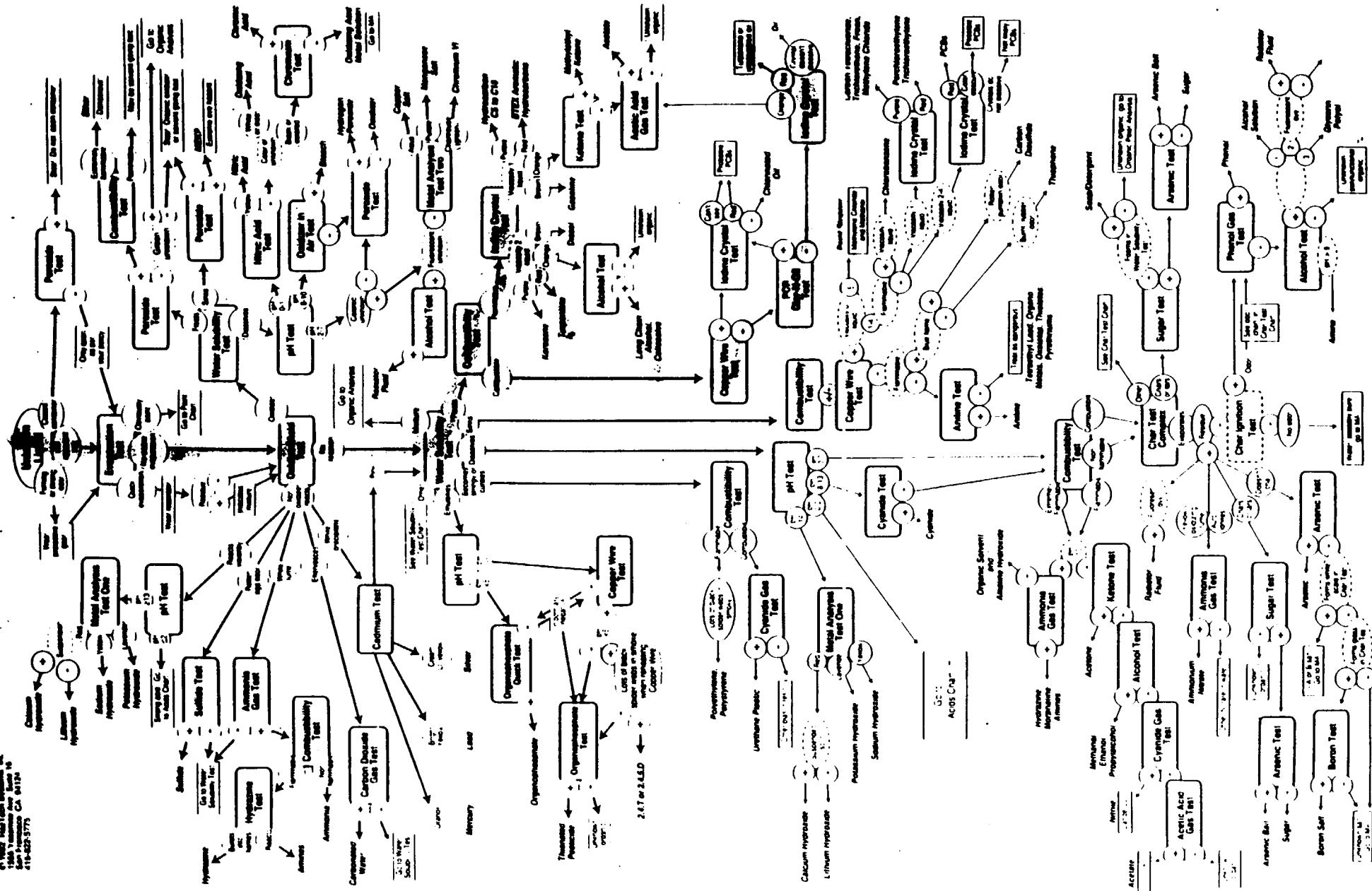
3. 32g, d = 40 mg VOA

HAZ CARD



Haz Card Inc.
1002 Industrial Drive, Suite 10
San Jose, CA 95126
(408) 295-3777

100 F





U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: BIA0007d

Sampler: McTz, Pereira

U.S. EPA/ERTC WAM: Zownir

Date: 7/13/99

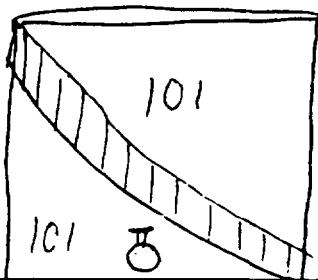
REAC Task Leader: McTz

Drum/Tank #: 101

Approximate Volume: Appears empty.

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	<u>MT NO HAZCAT</u>

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: Cylindrical

Approximate size: 32'5" tall, 105'5" circumference, 5050 lavel cap

3. Label present: No, Yes: 101

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: _____, Odor: N.D., Vapors: _____

Other: Tank breached at bottom, removed approx 6" opening by base,
approx 10" sediment (rust w/ foreign white material) on bottom, no visible holes on top



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page 01



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT
Sampler: McTe, Pereira
Date: 7/13/99
Drum/Tank #: 102

WA#: R1A00072

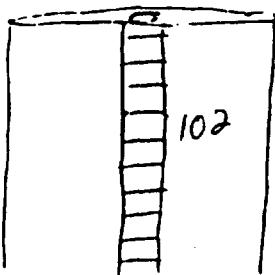
U.S. EPA/ERTC WAM: Zownir

REAC Task Leader: McTe

Approximate Volume: approx. 10" liquid & bottom

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26242	Dark Liquid - fuels
26257	VOCs

Sampling Diagram



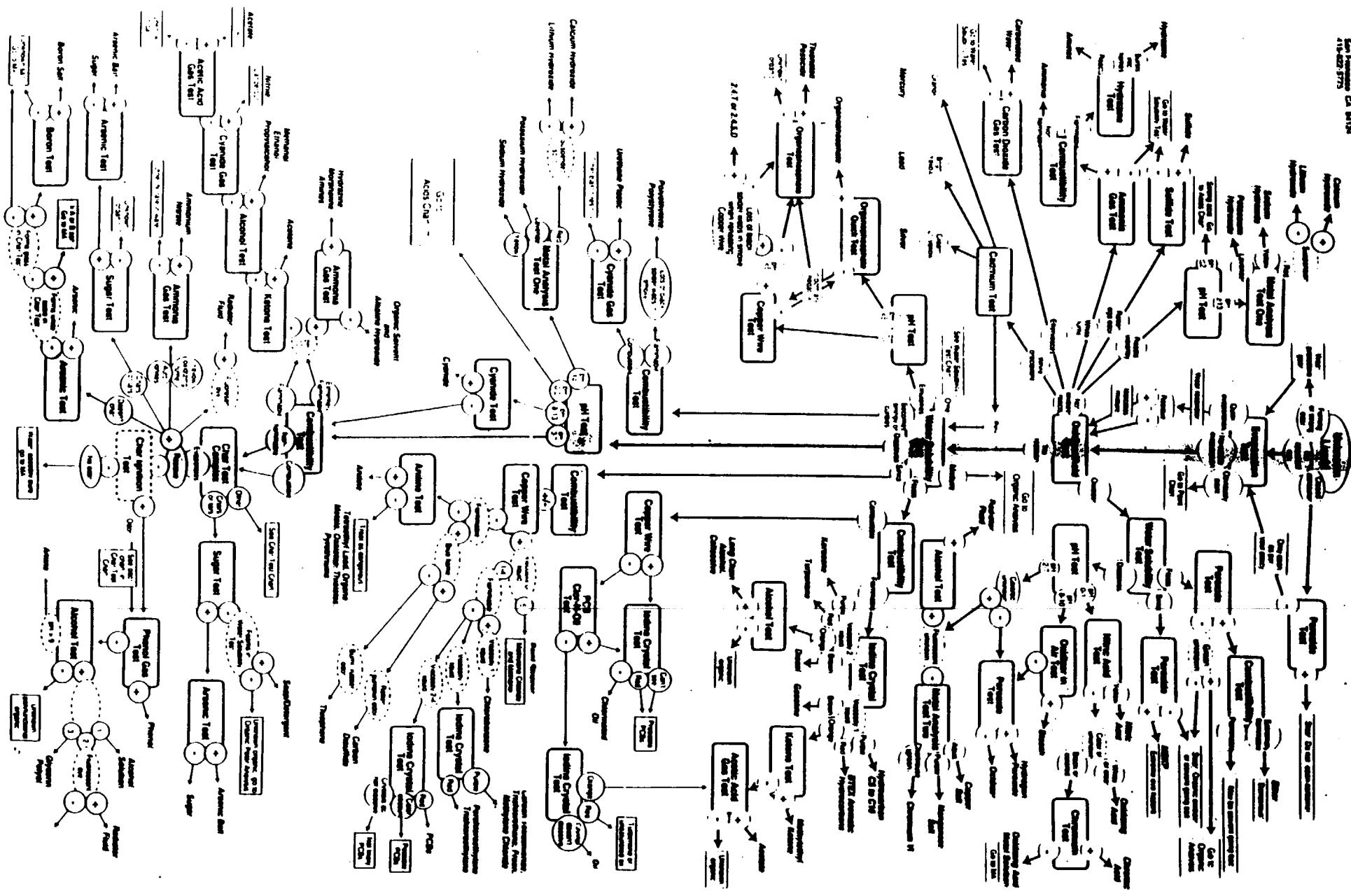
150 gal - 44 cu
ND. LEC/O2

SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____
2. Container dimensions: Shape: cylindrical
Approximate size: 34' 7" tall, 11' 4 1/2" acc., 5,500 bush. cap.
3. Label present: No. Yes: 102
4. Spill or Leak present: No. Yes, Dimensions: _____
5. Description: liquid, solid (powder or crystals), sludge
6. Color: dark (oily?), Odor: musty water, Vapors: _____
Other: holes on top, hatch ("s") open on top to environment
- 4-30_{CO2}, 2-40 ml UVA, sediment on bottom, sampled w/ opened manway on bottom

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U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Site: SCT

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Page 01 of REAC

Sampler: McTz, Percies

Date: 7/13/99

Drum/Tank #: 103

WA#: R1A00072

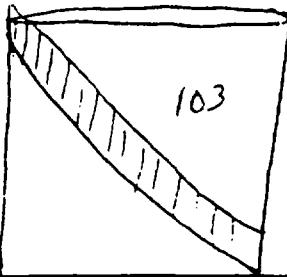
U.S. EPA/ERTC WAM: Zownia

REAC Task Leader: McTz

Approximate Volume: 3" liquid

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: Cylindrical

Approximate size: 30' 2 3/4" tall, 18' 8" circ., 2,600 barrel capacity

3. Label present: No, Yes: 103

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: , Odor: musty water, Vapors: H2O-NH3, Lel/10 NO

Other: Opened manway on bottom, no sediment observed

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U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ____ of ____



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: AIA00072

Sampler: McTz, Racine

U.S. EPA/ERTC WAM: Zownir

Date: 7/13/99

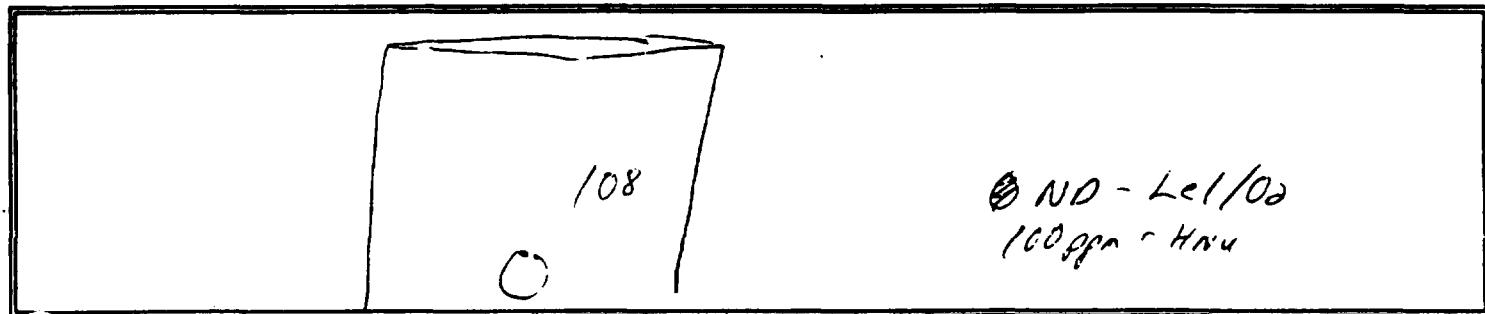
REAC Task Leader: McTz

Drum/Tank #: 108

Approximate Volume: 6" liquid, 4" sediment

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26258	Black Liquid - VOC
26243	Metals

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: Cylindrical

Approximate size: 32' tall, 150' circumference, 10,020. barrel cap.

3. Label present: No, Yes: 108

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

Ammonia??

6. Color: _____, Odor: Musty water, Vapors: _____

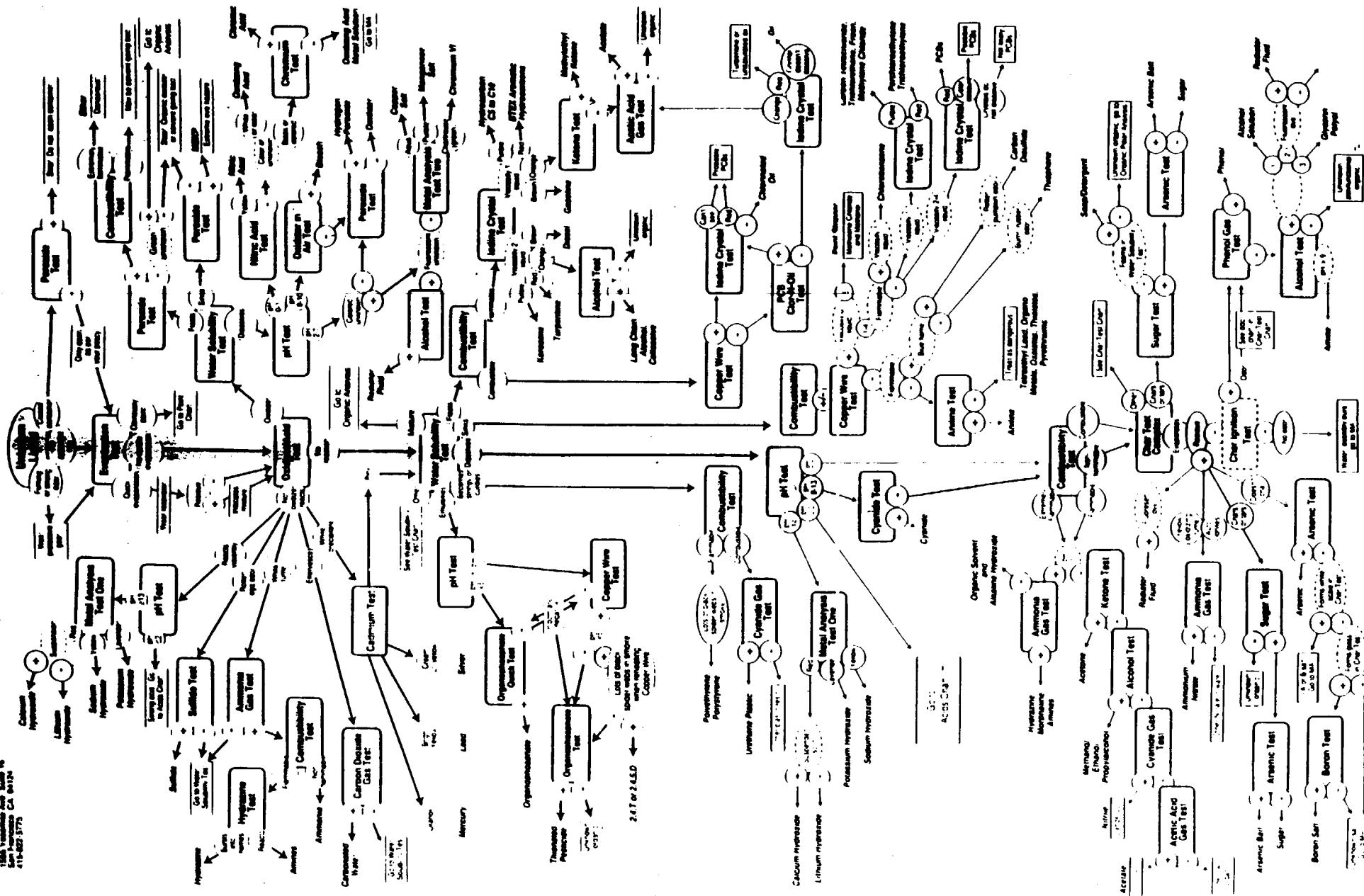
Other: Open manway, sediment on bottom

3-32G, 2-40me,

HAZZARD CHART

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KODAK
Kodak Photo-Film Co., Inc.
1356 Harrison Ave., San Fran., Calif.
Kodak Photo-Film Co., Inc.
1356 Harrison Ave., San Fran., Calif.

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U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ____ of ____



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WAM: ZTRIA00072

Sampler: Metz, Peter

U.S. EPA/ERTC WAM: Zownir

Date: 7/13/99

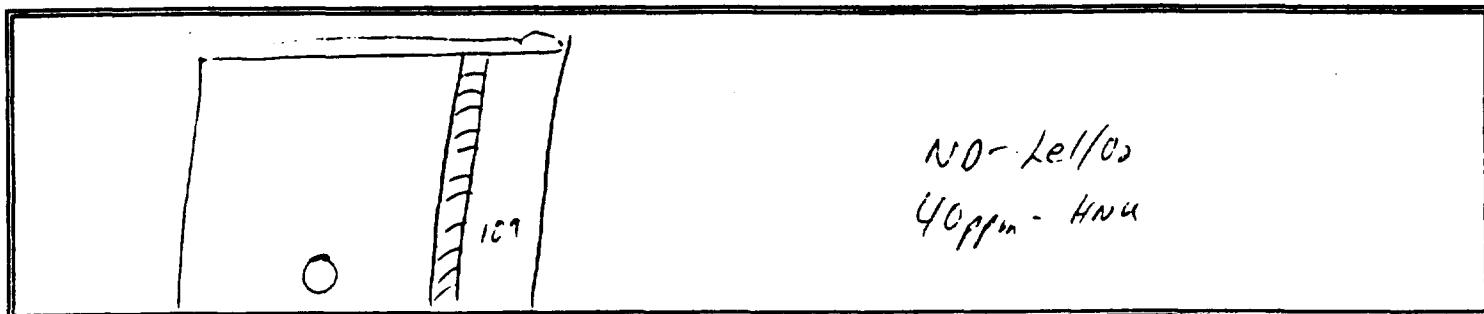
REAC Task Leader: Metz

Drum/Tank #: 109

Approximate Volume: ~1½" liquid, ~½" sediment

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 32' L x 14'8" 6'1" wide

3. Label present: No. Yes: 109

4. Spill or Leak present: No, Yes, Dimensions: _____

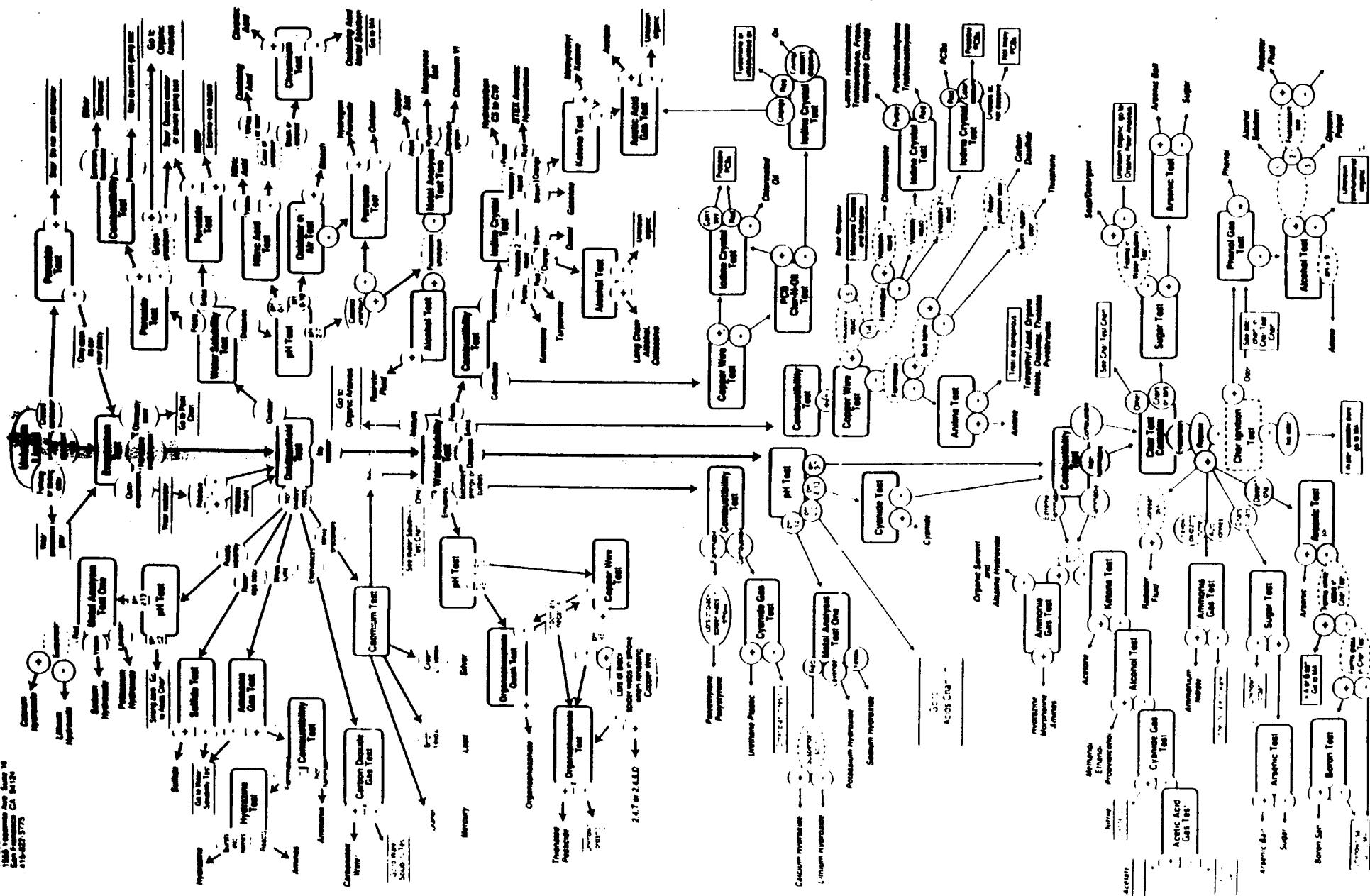
5. Description: liquid, solid (powder or crystals), sludge

6. Color: light yellow, Odor: organic, Vapors: _____

Other: Open manway on bottom 18' opening, 3 - 32", 2 46" L,

HAZZARD CHART

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**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA# 72

Sampler: METZ

U.S. EPA/ERTC WAM: ZOWNIR

Date: 7/13/99

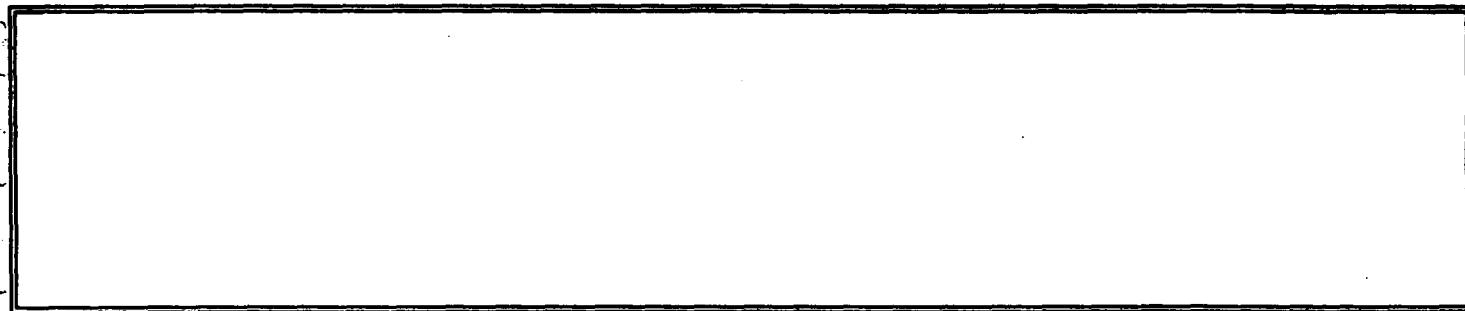
REAC Task Leader: METZ

Drum/Tank #: 110

Approximate Volume: —

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	<u>EMPTY - NO HAZCAT</u>

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: _____, Odor: _____, Vapors: _____

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA# A1A00072

Sampler: Metz, Recirc

U.S. EPA/ERTC WAM: 20min

Date: 7/13/99

REAC Task Leader: Metz

Drum/Tank #: 111

Approximate Volume: 1-2" liquid, slightly

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram

EPA Label - #2/U...+



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 26' tall 11'7" wide, -50.5" back

3. Label present: No, Yes: 111

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: black, Odor: musty, earthy, organic, Vapors: 190 ppm, LEL N.D.

Other: oil film, no broken in tank



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U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA# R1A0007d

Sampler: Metz, Peacieg

U.S. EPA/ERTC WAM: Zawin, n

Date: 7/13/99

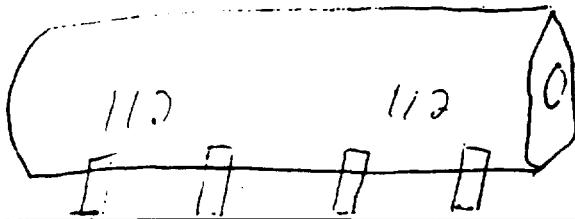
REAC Task Leader: Metz

Drum/Tank #: 112

Approximate Volume: appear empty

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	<u>EMPTY - NO HAZCAT</u>

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: Cylindrical

Approximate size: 52'2" long, 31'10" wide, 1,044 imperial cgs

3. Label present: No, Yes: 112

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: _____, Odor: musty-garlic, Vapors: Av4-Lc40, -ND

Other: no liquid in tank, small amount of scale @ bottom



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ____ of ____



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: RIA00072

Sampler: McTz, Pereins

U.S. EPA/ERTC WAM: Zounir

Date: 7/13/99

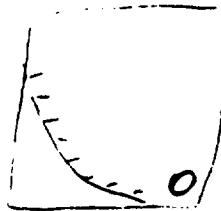
REAC Task Leader: McTz

Drum/Tank #: 113

Approximate Volume: 3" liquid, 3" sludge

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26244	Black Liquid/Sludge - other metals
26217	metals PCB
26259	VOCs

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum. Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 47' 6" tall, 41' 5 1/8" dia, 6000 barrels

3. Label present: No. Yes: 113

4. Spill or Leak present: No. Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: black, Odor: savory ammonia, Vapors: benzene (HVO), LEL ND

Other: 2" liquid, 1" sludge, IEPRA listed fertilizer/Kaier

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C H A R T

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**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: _____

U.S. EPA/ERTC WAM: Zorn

Date: 7/15/99

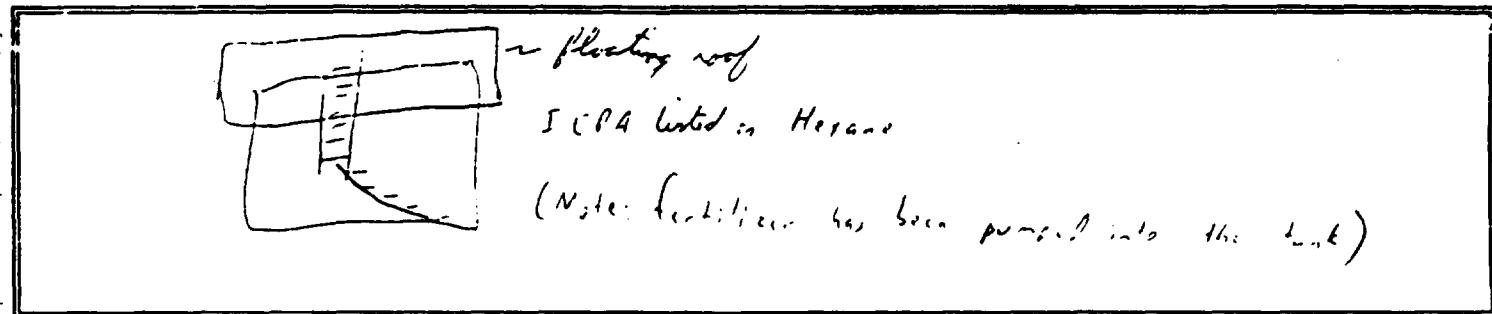
REAC Task Leader: Metz

Drum/Tank #: 455 115

Approximate Volume: 1 1/2' product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26218	Black Liquid - Petrol. PCB
26245	petrol.
26260	VOCs

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 50' x 10', 110' 3" circumference, 15,000 barrels

3. Label present: No, Yes: 115

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: dark brown/black, Odor: fertilizer / burnt sugar, Vapors: _____

Other: top access, will collect 7 30' x 11 1/2' mls

Note: The contents of Tank 32 have been pumped into Tank 115



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz B.11

U.S. EPA/ERTC WAM: Zannier

Date: 7/16/99

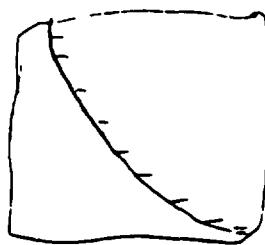
REAC Task Leader: Metz

Drum/Tank #: 116

Approximate Volume: 25' liquid

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26219	Black Liquid - Putrid PCB
26246	metals
26261	VOC's

Sampling Diagram



IEPA listed as Hexane / 4DAN

(Note: fertilizer has been pumped into the tank)

SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 5' x 5' tall, 210' x 15' wide, 15,000 barrels

3. Label present: No, Yes: 116

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: dark brown, Odor: fertilizer like, Vapors: _____

Other: top access, tank had some pressure in it, 4 31 oz, 2 40 mL, no layers

**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz

U.S. EPA/ERTC WAM: Zonni

Date: 7/15/99

REAC Task Leader: Metz

Drum/Tank #: 117

Approximate Volume: 4-6" liquid (even w/ water present
outside tank)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26220	Black Liquid - PCB
26247	Metals
26262	VOC's

Sampling Diagram



EPA listed as "3/AD-4"

AMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

Container dimensions: Shape: cylindrical

Approximate size: 10' 10", tall, 20' 9" circ., 15000 barrel

2. Label present: No, Yes: 117

Spill or Leak present: No, Yes, Dimensions: 400' x 100'

3. Description: liquid, solid (powder or crystals), sludge

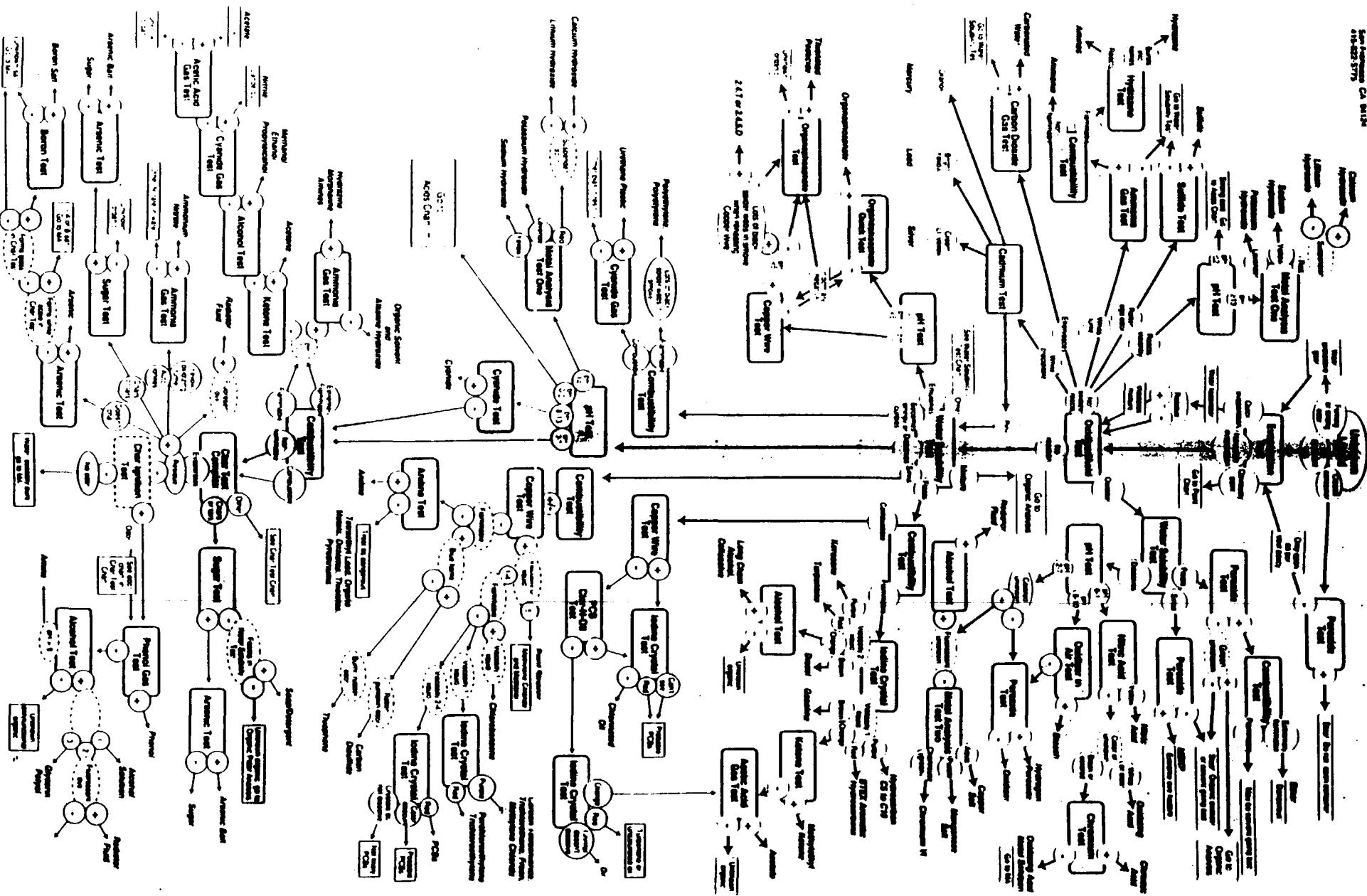
Color: brownish black, Odor: burnt, Vapors: _____

Other: access to the tank is level w/ ground area around tank
collect 4 32-oz jars and 2 40-oz

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HAZARDOUS MATERIALS
TESTING & IDENTIFICATION

117 NF



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet



Lockheed Martin Corp., Edison, NJ
 EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: _____

U.S. EPA/ERTC WAM: Zornir

Date: 7/15/99

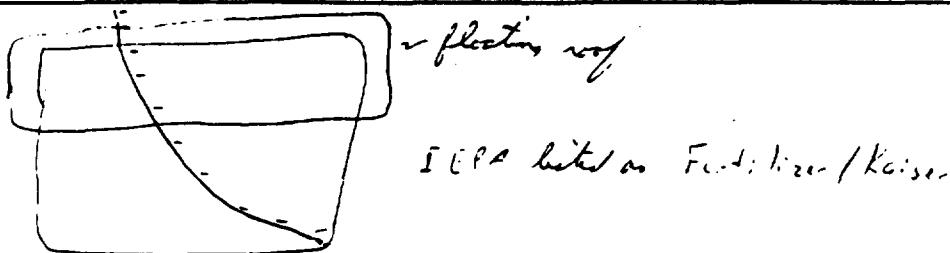
REAC Task Leader: Metz

Drum/Tank #: 118

Approximate Volume: 1400 liters

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26221	Black Liquid-Putrid -PCB
26248	metals
26263	VOC

Sampling Diagram



AMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 210 1/2" x 15,000 liters

3. Label present: No, Yes: 118

Spill or Leak present: No, Yes, Dimensions: _____

4. Description: liquid, solid (powder or crystals), sludge

5. Color: brownish black, Odor: -, Vapors: _____

Other: run through tip, collect 3 32-oz and 2 40-mL

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Page ___ of ___

**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA# R170007J

Sampler: Metz

U.S. EPA/ERTC WAM: Zornir

Date: 7/15/95

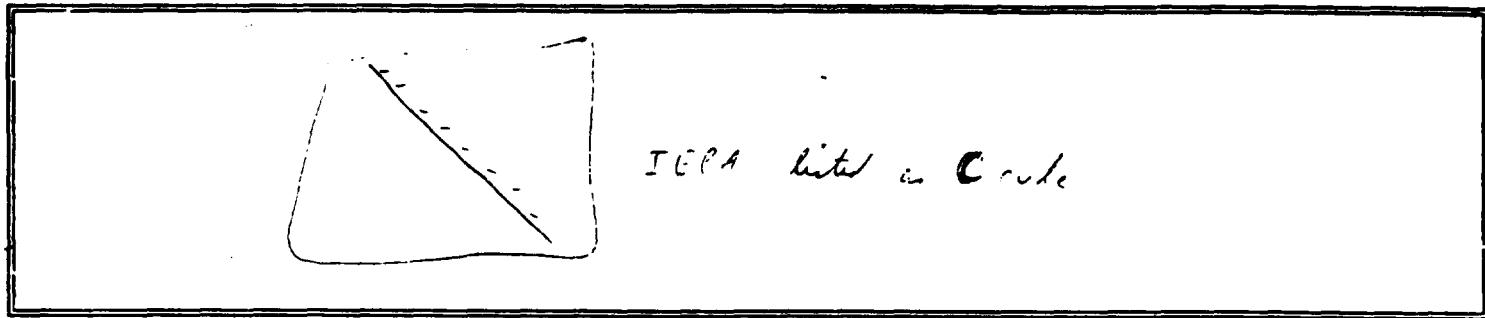
REAC Task Leader: Metz

Drum/Tank #: 114

Approximate Volume: 10' product (no oil)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26222	Putrid Black Liquid - PCB
26249	Metals
26264	VOC's

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: square

Approximate size: 2 1/2' tall x 10' wide

3. Label present: No. Yes: 114

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

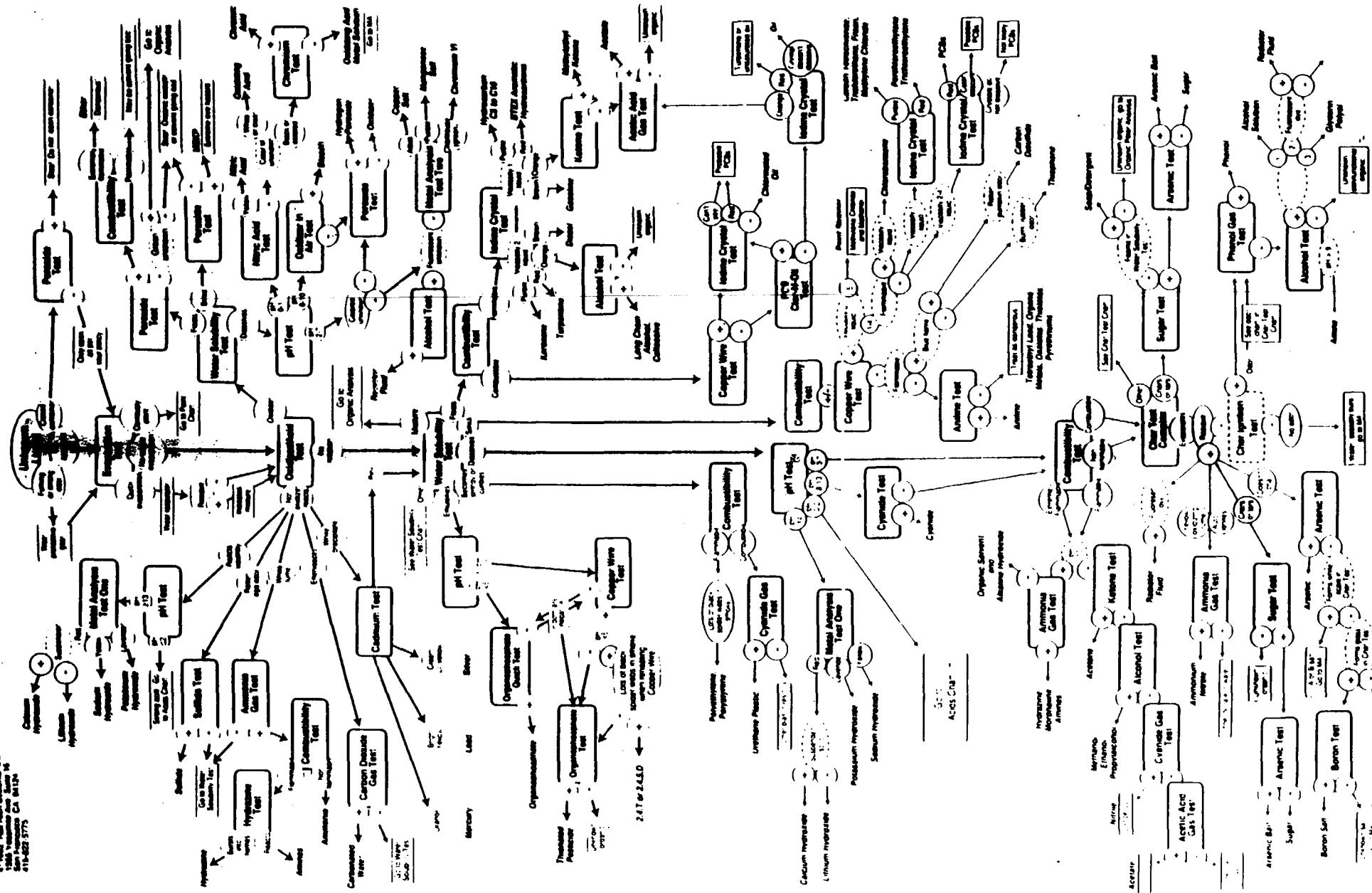
6. Color: reddish brown, Odor: -, Vapors: _____

Other: 132 sq ft, 240 gal, over through top

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CHART**

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U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page 01

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: South Central Technical (SCT)

WA#: RJA00072

Sampler: Metz, Pelcina

U.S. EPA/ERTC WAM: Zonvia

Date: 7/12/99

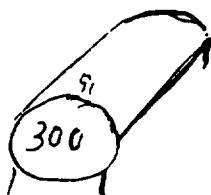
REAC Task Leader: Metz

Drum/Tank #: 300

Approximate Volume: 1/3 full, 15" from bottom

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26000	OC/Pest 26265 100% VOCs Anthr. Lg - is
25001	PAX 26250 to methls
25002	Metals
25003	VOC * Flammable
25004	HAZCAT
25005	BTU

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: Horizontal tank

Approximate size: 13' long. 4' dia.

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: diesel fuel/oil, Odor: yes, Vapors: Hnu - 20 ppm,

Other: Lev/O2 - NO

WOC
π



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet



Lockheed Martin Corp., Edison, NJ
 EPA Contract No. 69-C99-223

Site: SCT

WA#: 0-072

Sampler: McTe, Penning

U.S. EPA/ERTC WAM: Zoumic

Date: 7/12/99

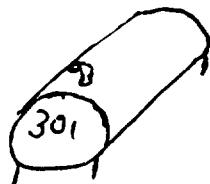
REAC Task Leader: McTe

Drum/Tank #: 3C1

Approximate Volume: 9" from bottom

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
25006	PCB/pest
25007	PAH
25008	Metals
25009	VOC
25010	HAZCAT
25011	BT4

Sampling Diagram



SAMPLE INFORMATION:

HORIZONTAL

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: HORIZONTAL

Approximate size: 12' LONG
4' DIA

3. Label present: No. Yes: _____

4. Spill or Leak present: No. Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge SEDIMENT ON BOTTOM

6. Color: diesel fuel / oil, Odor: yes, Vapors: HN - 30 ppm

Other: L100 ND



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: 0-072

Sampler: Metz, Percival

U.S. EPA/ERTC WAM: Zownia

Date: 7-12-99

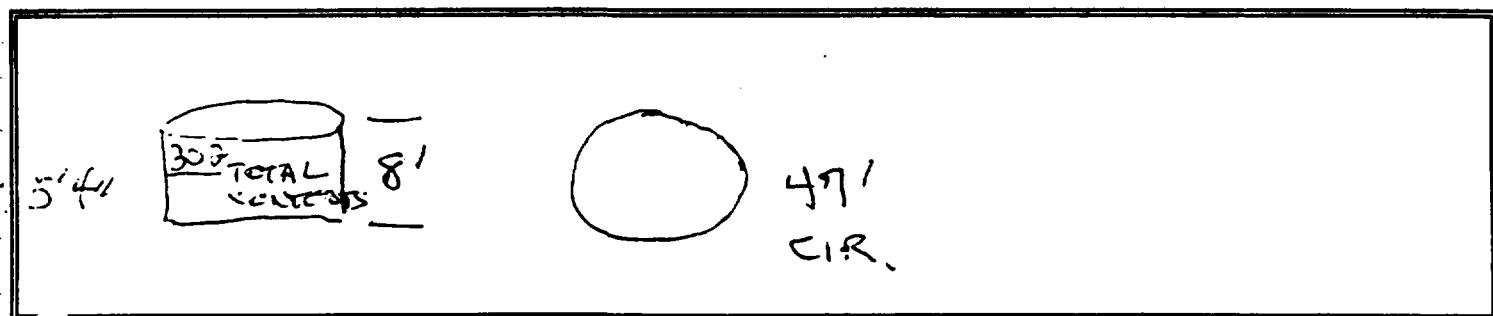
REAC Task Leader: MIKE METZ

Drum/Tank #: 302

Approximate Volume: 5' 4" from bottom

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
25012	Pest/PCB
25013	PAH
25014	Metals
25015	VOC
25016	HAZCAT
25017	BTU

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum. Tank, Other: _____

*Two layers
water / sludge*

2. Container dimensions: Shape: CIRCULAR

Approximate size: 8' 11" length x 47' 4" width

3. Label present: No. Yes: _____

4. Spill or Leak present: WATER No. Yes, Dimensions: _____

5. Description: liquid. solid (powder or crystals). sludge

6. Color: BLACK, Odor: yes, Vapors: HC PPM
HNO3

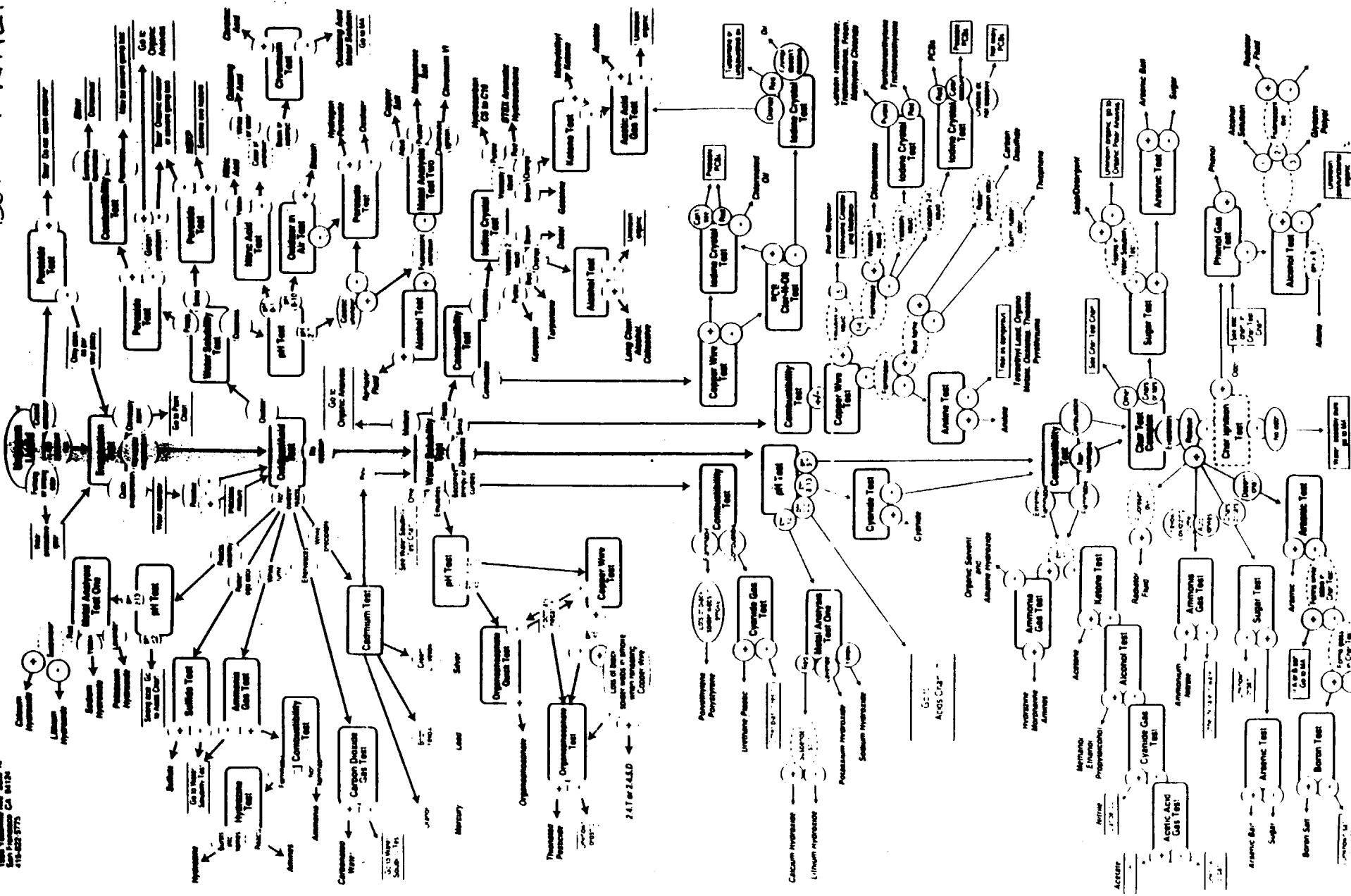
Other: _____

LEL ND

HAZCAT®

CHART

302 NF
Bottom LAYER





U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ___ of ___



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: RJA00072

Sampler: Mete Pereira

U.S. EPA/ERTC WAM: Zownik

Date: 7/12/98

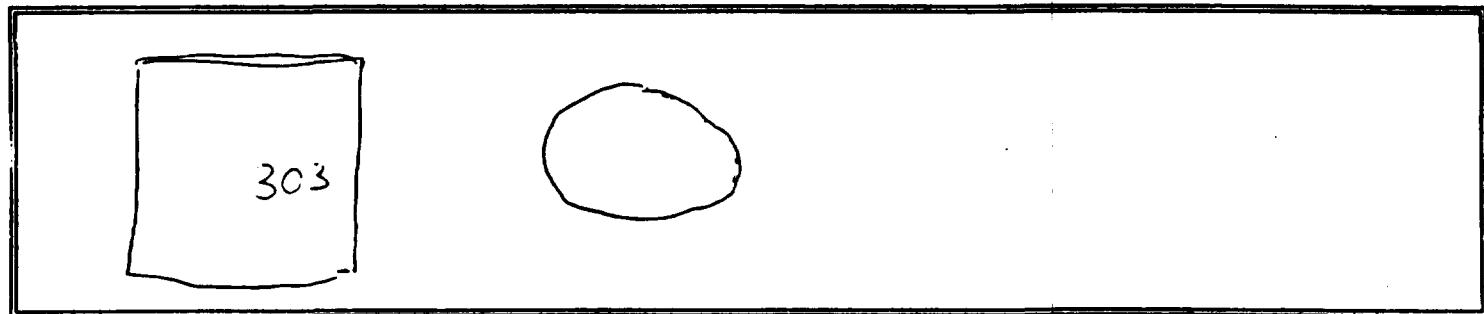
REAC Task Leader: Mete

Drum/Tank #: 303

Approximate Volume: approx. 1"

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	<u>EMPTY - NO HAZCAT</u>

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 10 ft tall, 27' circumference.

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: _____, Odor: ~~stagnant water~~ in NJ, Vapors: HNU-1 grn, LEC/Co - ND

Other: No sample possibl, 1" material(water?) @ bottom, water tank



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ___ of ___



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: McTe

U.S. EPA/ERTC WAM: Zownik

Date: 7/10/99

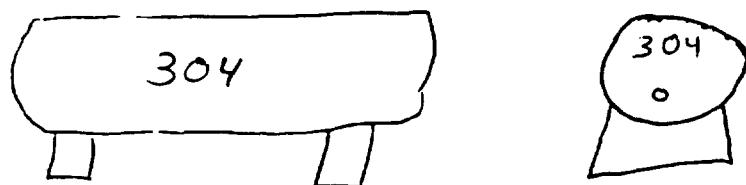
REAC Task Leader: McTe

Drum/Tank #: 304

Approximate Volume: 40" from bottom

Sample Number	Comments: (i.e. volume, depth sampled, etc.)	
25018	<u>Rest PCB</u>	26223 <u>an PCB</u>
25019	<u>RAH</u>	
25020	<u>Metals</u>	26251 <u>Metals</u>
25021	<u>VOC</u>	26266 <u>VOC</u>
25022	<u>Hazard</u>	
25023	<u>BTG</u>	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 6' wide, 35' long

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: oily gasoline, Odor: gasoline, Vapors: HNH - 200 ppm, Lel - 100%

Other: Sediment on bottom, oily,



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WAM: D-072

Sampler: _____

U.S. EPA/ERTC WAM: 2

Date: 7/16/99

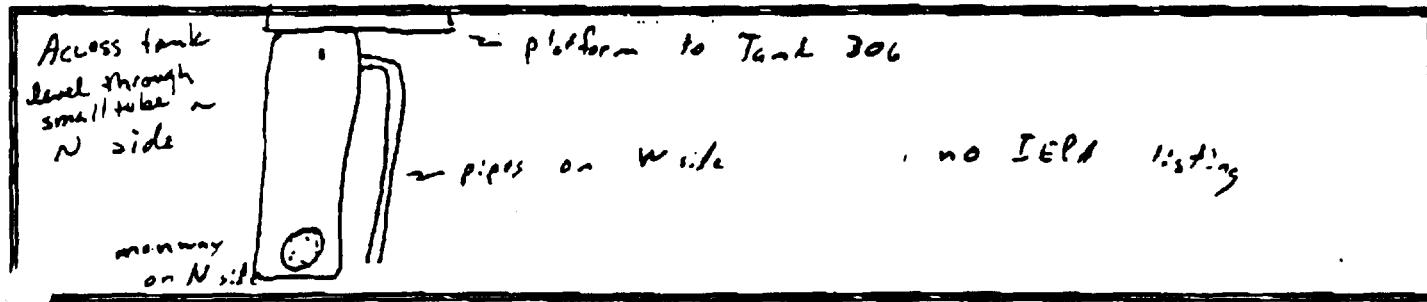
REAC Task Leader: METZ

Drum/Tank #: 305

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

I 3203 sample
jar collected

2. Container dimensions: Shape: cylindrical

suspected to contain
activated carbon

Approximate size: 15' tall 15' dia

(R)
Container identical to

3. Label present: No, Yes: _____

task #
306
in appearance

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: grey/brown, Odor: _____, Vapor: SEE BACK

Other: * Readings on back of sheet - all open end sample in Level B

Opened tank - VOCs dissipated

from tank opening was at barge

Tank opened through manway n top

JUL-23-1999(FRI) 13:13 HNM

(PAI) 816 484 9398

P.004



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Site: SCT

WAM: D-072

Sampler: _____

U.S. EPA/ERTC WAM: 2000-1

Date: 7-16-99

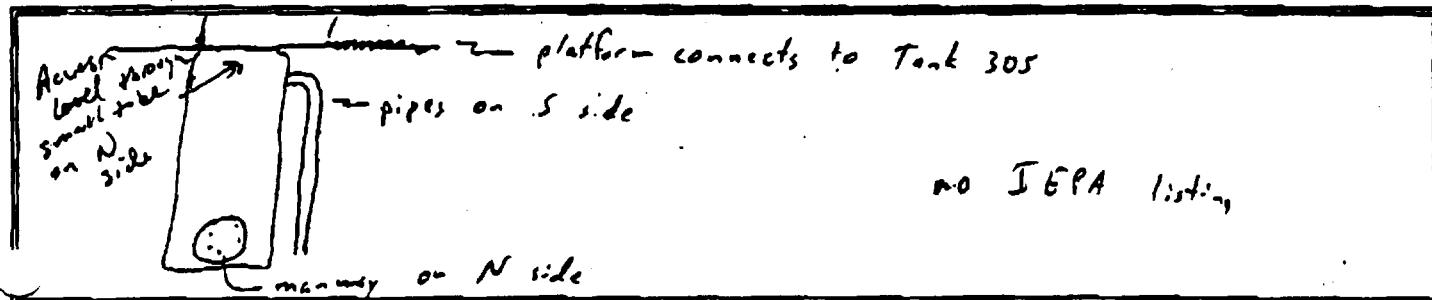
REAC Task Leader: MEL

Drum/Tank #: 306

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	<u>NO SAMPLE</u>
	<u>SIMILAR TO 305</u>

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____
 2. Container dimensions: Shape: cylindrical
Approximate size: 18 ft tall 14' 8" of product
 3. Label present: No. _____ Yes: _____
 4. Spill or Leak present: No. _____ Yes, Dimensions: _____
 5. Description: liquid, solid (powder or crystals), sludge
 6. Color: _____, Odor: _____, Vapors: See back
- Other: 11 sample in Level B

Task suspected
to contain
corroded carbon
or filtration
Identical to tank
305
in appearance

JUL-23-1999(FRI) 13:13 HBM

(188)816 482 9898

P.UU



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

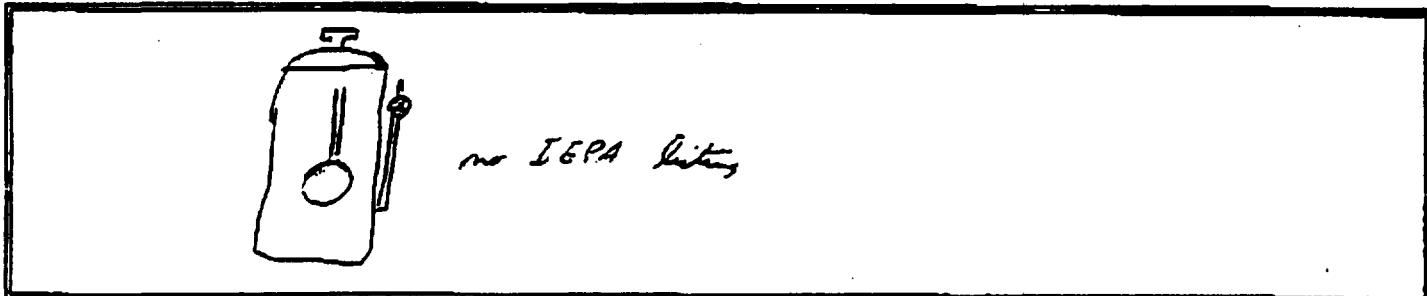
Page of 

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCTWAM: R1A00073Sampler: L. WilliamsU.S. EPA/ERTC WAM: 204-1-Date: 7/16/99REAC Task Leader: M. J. Z.Drum/Tank #: 307Approximate Volume: ~ 3/4 full

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____ Identical in appearance to tank #308
2. Container dimensions: Shape: cylindrical Approximate size: _____
3. Label present: No. _____ Yes: _____
4. Spill or Leak present: No. _____ Yes, Dimensions: _____
5. Description: liquid, solid (powder or crystals), sludge
6. Color: clear, brownish red, Odor: sweet, Vapors: max. at microtip
Other: 2 10-oz, 1 16-oz, outlet gate valve on right edge



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223



Site: SCT

WAM: R1A00070

Sampler: _____

U.S. EPA/ERTC WAM: Zemniak

Date: 7/26/99

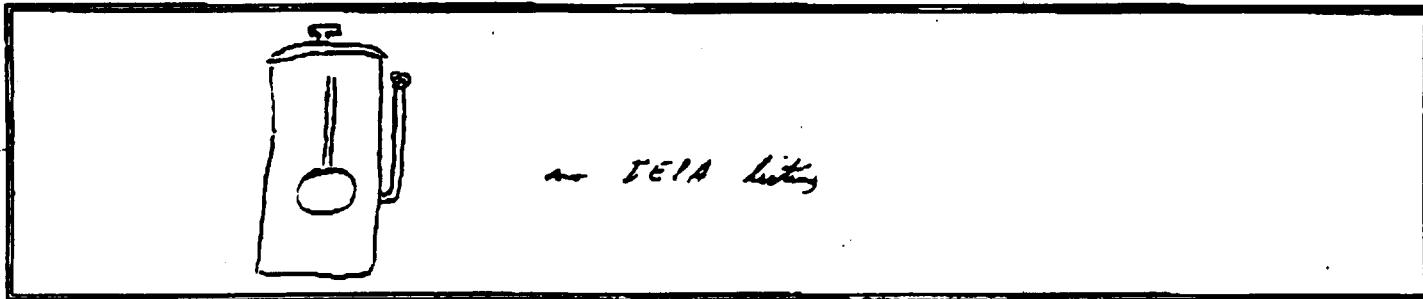
REAC Task Leader: Metz

Drum/Tank #: 307

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
	NO SAMPLE
	SIMILAR TO TANK 307

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: _____

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: _____, Odor: _____, Vapors: _____

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA# R1A00073

Sampler: Metz, Peoria

U.S. EPA/ERTC WAM: Zonnic

Date: 7/14/99

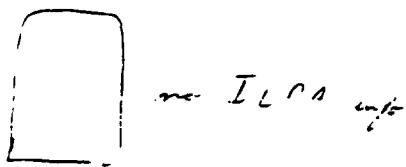
REAC Task Leader: Metz

Drum/Tank #: 305

Approximate Volume: <1 cu' oil residue

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 16' tall, 18' diam., 9' diameter, 28' Circ.

3. Label present: No. Yes: _____

4. Spill or Leak present: No. Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: black, Odor: _____, Vapors: PID 70 ppm, LEL/0, ND

Other: no built-in pump, hatch on top, too little product to sample



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

The logo consists of the letters "REAC" in a bold, sans-serif font, enclosed within a circle with arrows pointing clockwise.

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 00073

Sampler: _____

U.S. EPA/ERTC WAM: Zonar

Date: 7/19/95

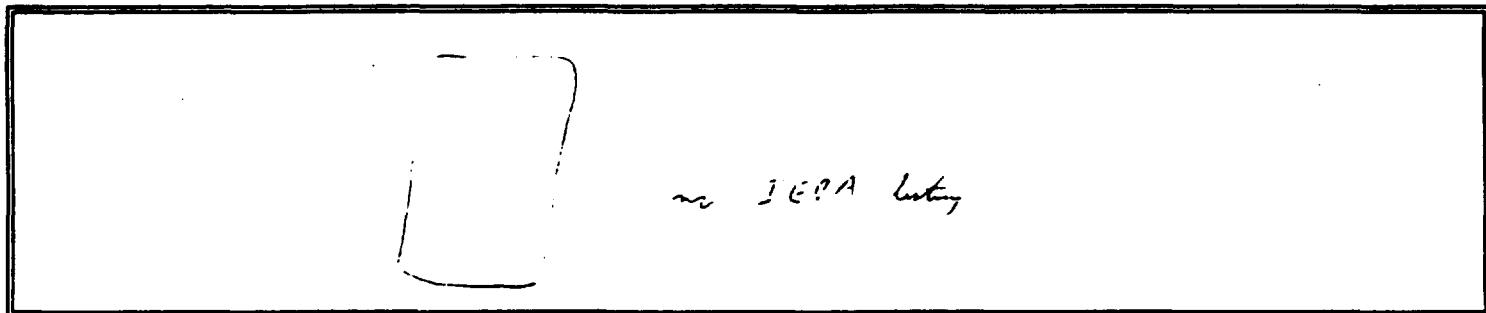
REAC Task Leader: Mcfz

Drum/Tank #: 310

Approximate Volume: ~ 1-2" tan-LD liquid

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 10.4' dia. 15' tall

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: .30' x .30'

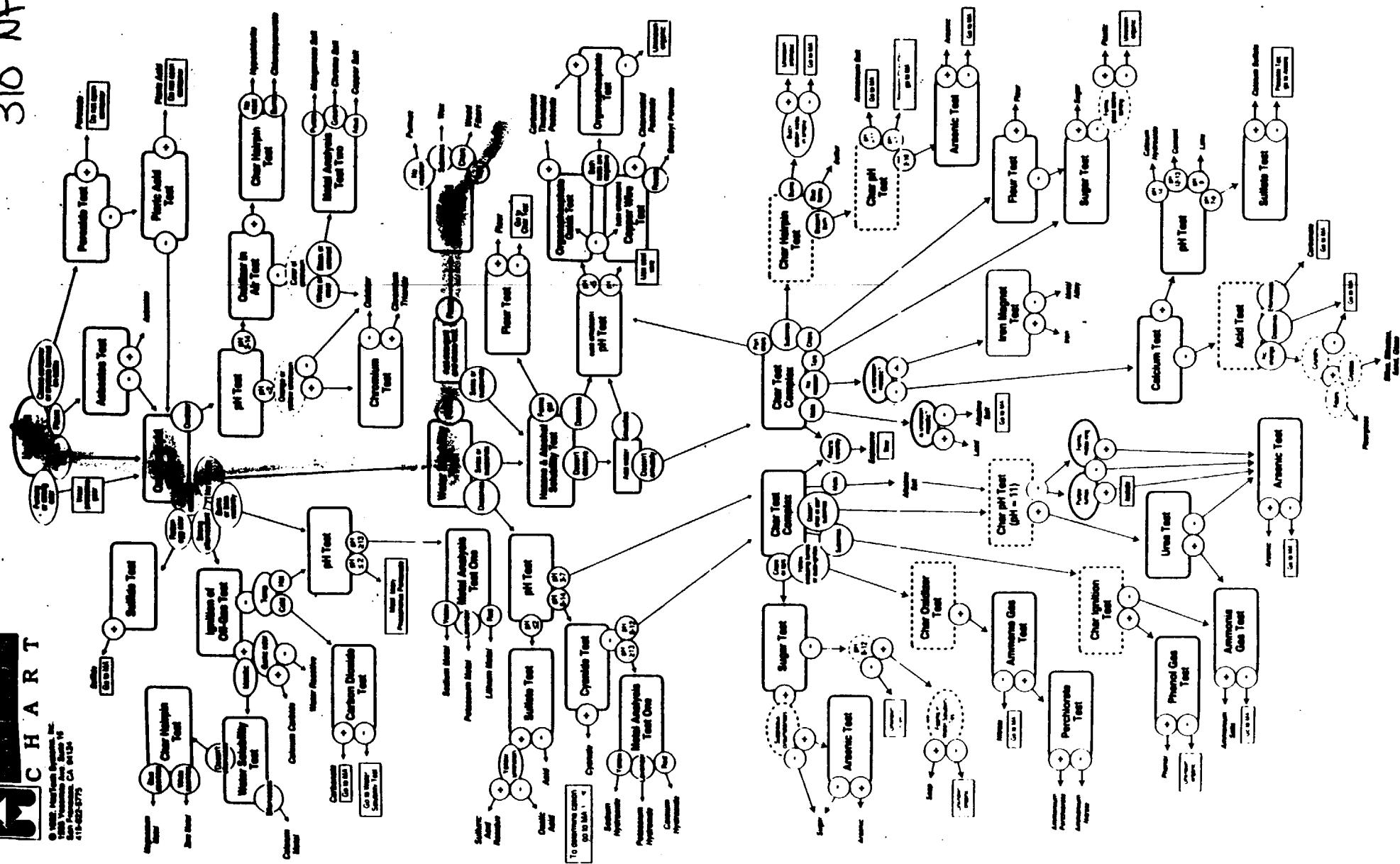
5. Description: liquid, solid (powder or crystals), sludge

6. Color: black, Odor: -, Vapors: R10 Open

Other: sample collected from spill black oil liquid/tan (1-2 gal)



310 NF





**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 0007J

Sampler: Metz, Peairs

U.S. EPA/ERTC WAM: Zownier

Date: 7/14/99

REAC Task Leader: Metz

Drum/Tank #: 311

Approximate Volume: 4' product (~6" above piping)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26225	Black Oil - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum. Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 3'6" tall, 10' diameter

3. Label present: No. Yes: _____

4. Spill or Leak present: No. Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

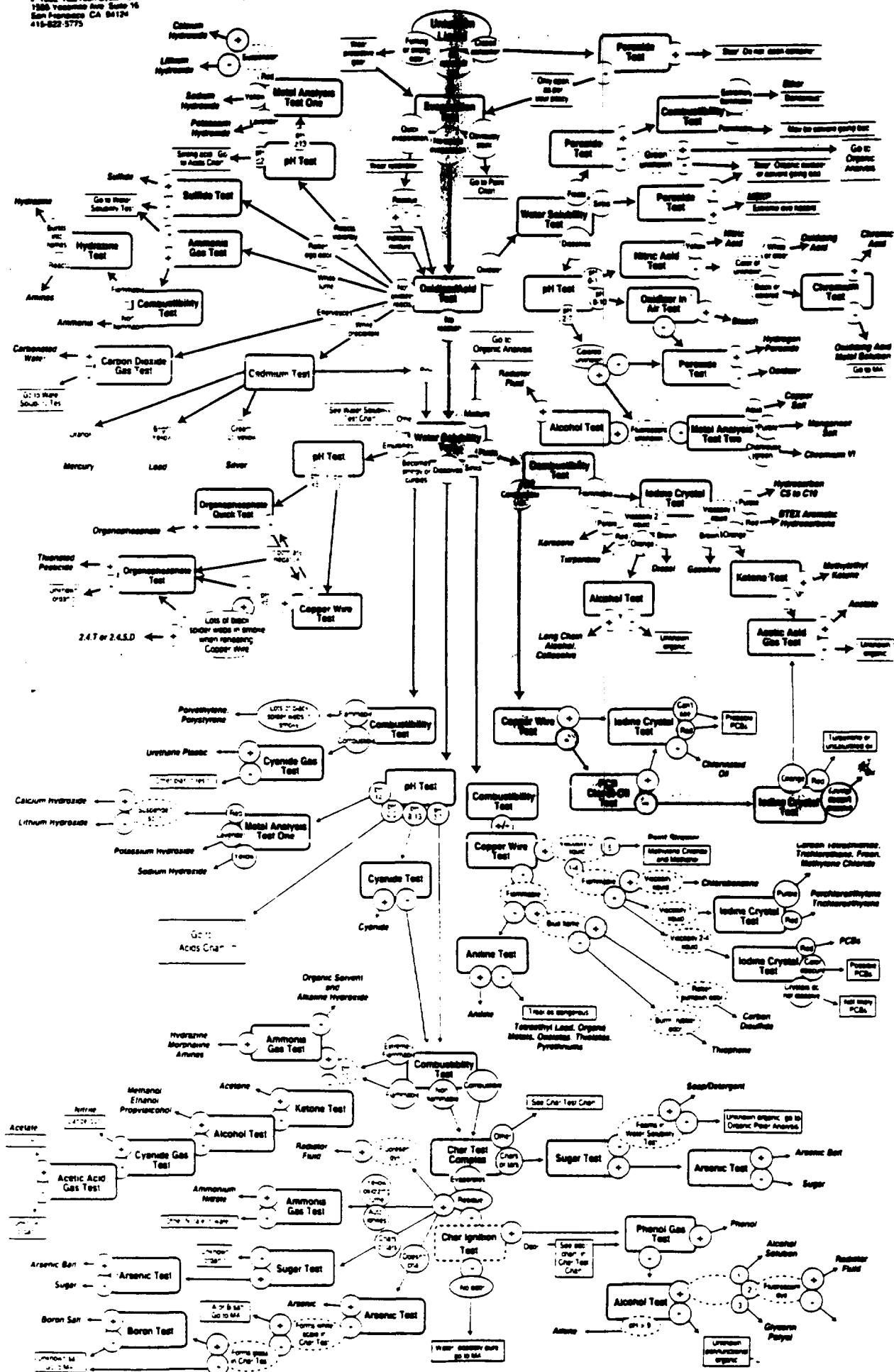
6. Color: black, Odor: petroleum, Vapors: _____

Other: no breaker areas thought to (3 32-g, 1 40-mL)

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HAZARDOUS
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415-552-5773

311 NF



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet



REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA# R1900070

Sampler: Milt, Perrijs

U.S. EPA/ERTC WAM: Zonair

Date: 7/14/99

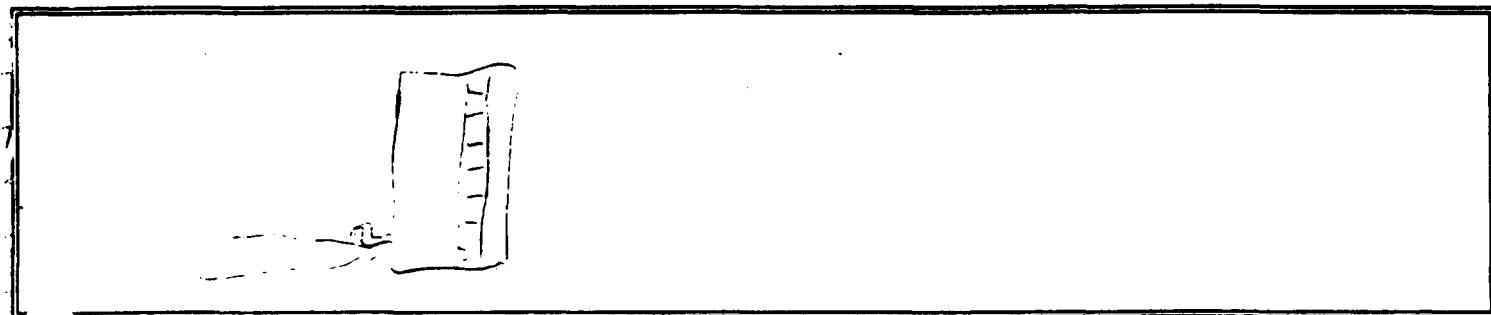
REAC Task Leader: Milt

Drum/Tank #: 312

Approximate Volume: 15' x 7' x 6'

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 13' tall, 10' diameter

3. Label present: No. Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: 8' x 30' (on land)

5. Description: liquid, solid (powder or crystals), sludge

6. Color: black, Odor: petroleum, Vapors: gas

Other: leak from bottom east side pipe to a legume, access through top. (1319)

**H A Z C A T
C H A R T**

312
21



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A 00072

Sampler: Mete, Person

U.S. EPA/ERTC WAM: Zonne

Date: 7/14/99

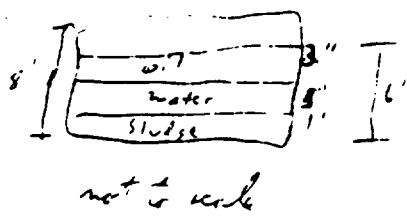
REAC Task Leader: Mete

Drum/Tank #: 344 312

Approximate Volume: 6' product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26226	Black oily - Toplayer (2") - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 8' tall, 12' diamet

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

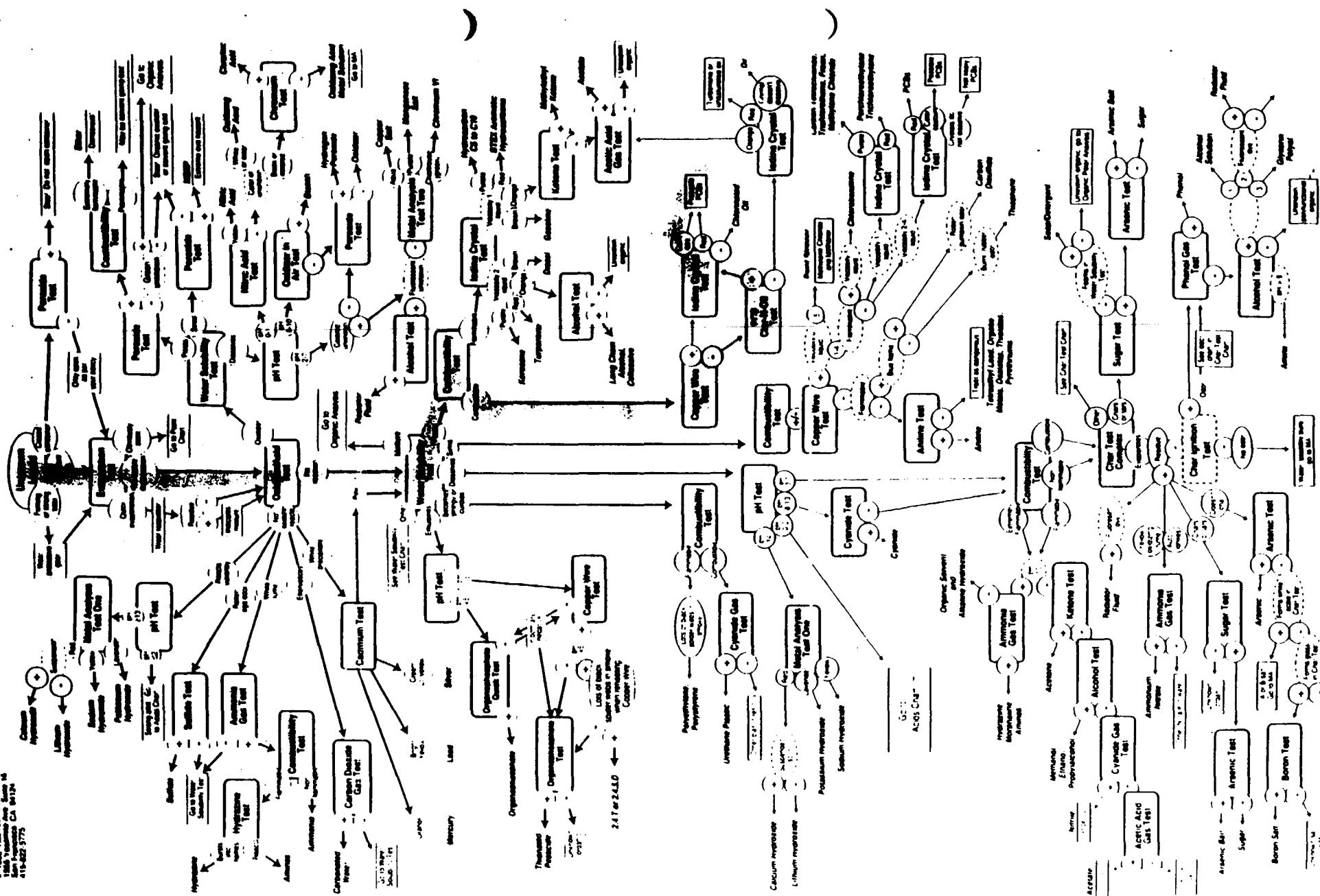
6. Color: clear yellowish liquid / Odor: strong, Vapors: P/D Vapor

Other: 1' sludge bottom, ~5' water layer, 3" oil, no baffle, access through top port (open)

clear liquid take sample of liquid (3 32-oz, 2 40-oz)
take 8-oz of oil layer

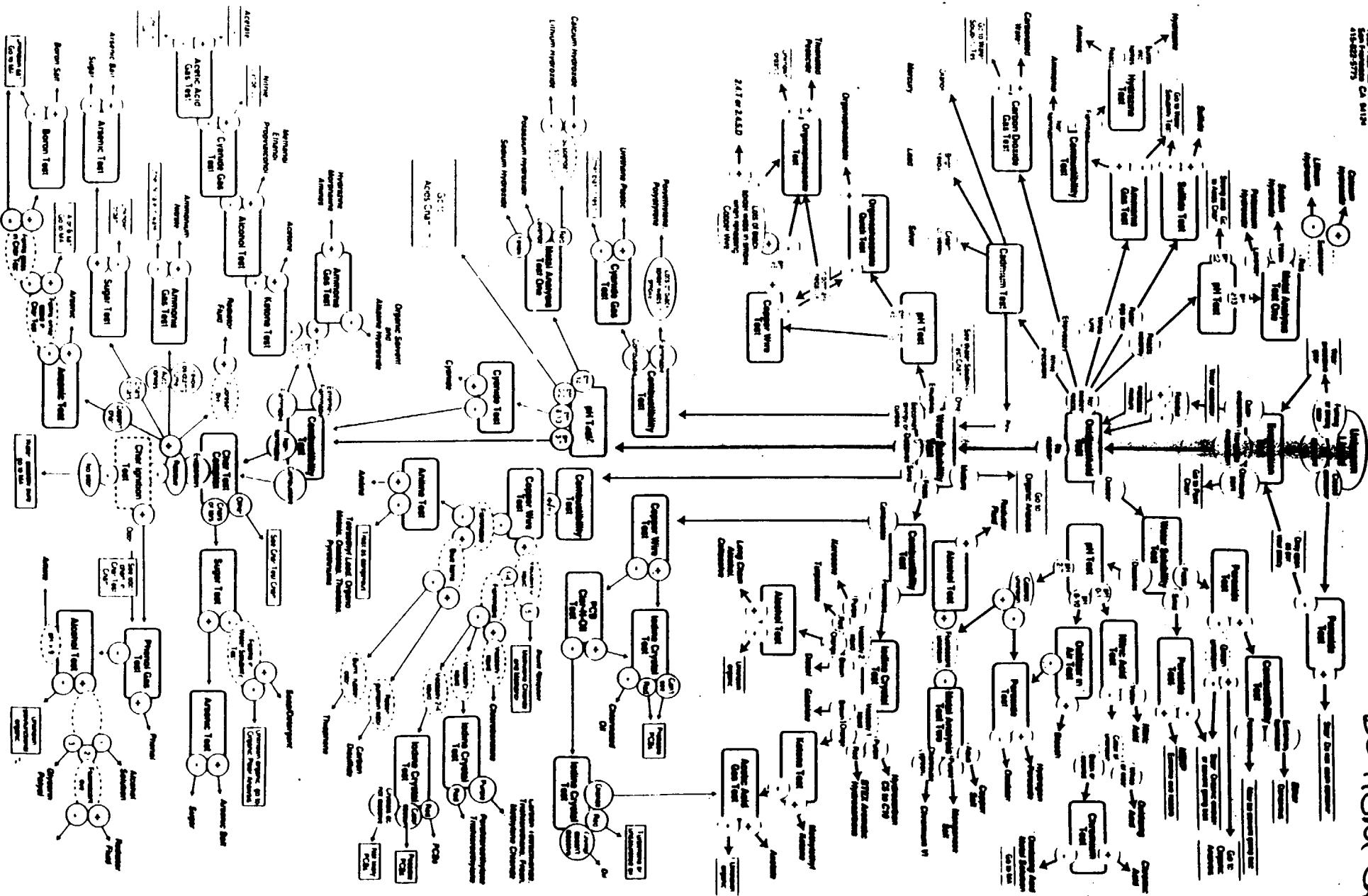
HAZCAST HAZARD IDENTIFICATION

313 UP
TOP LAYER



HAZCAT
HAZARDOUS
COMPOUNDS
DATA SHEET

313 NF
Bottom Layer





**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

Page ___ of ___



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: P5CT

WA#: R1A00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zoanir

Date: 7/14/99

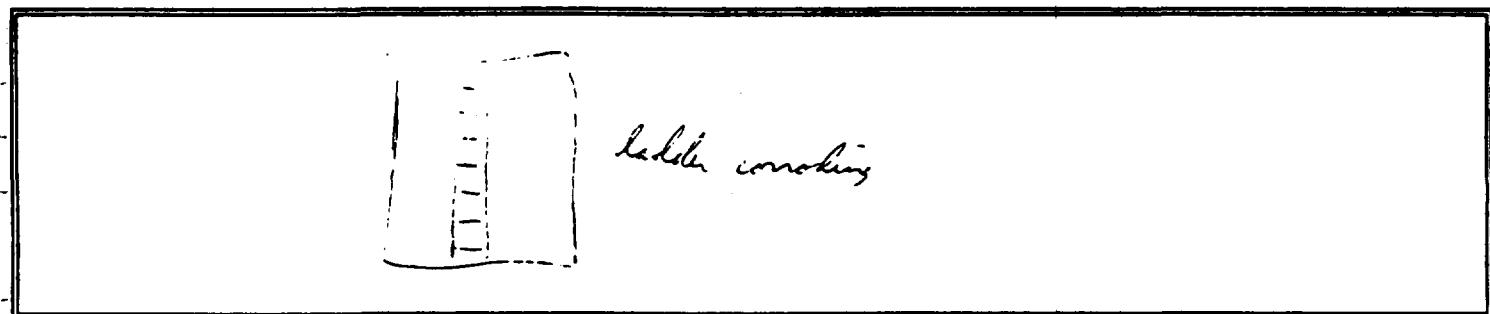
REAC Task Leader: Metz

Drum/Tank #: 375 714

Approximate Volume: 6" product

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical?

Approximate size: 16' tall, 12' diam.

3. Label present: No. Yes: _____

4. Spill or Leak present: No. Yes, Dimensions: _____

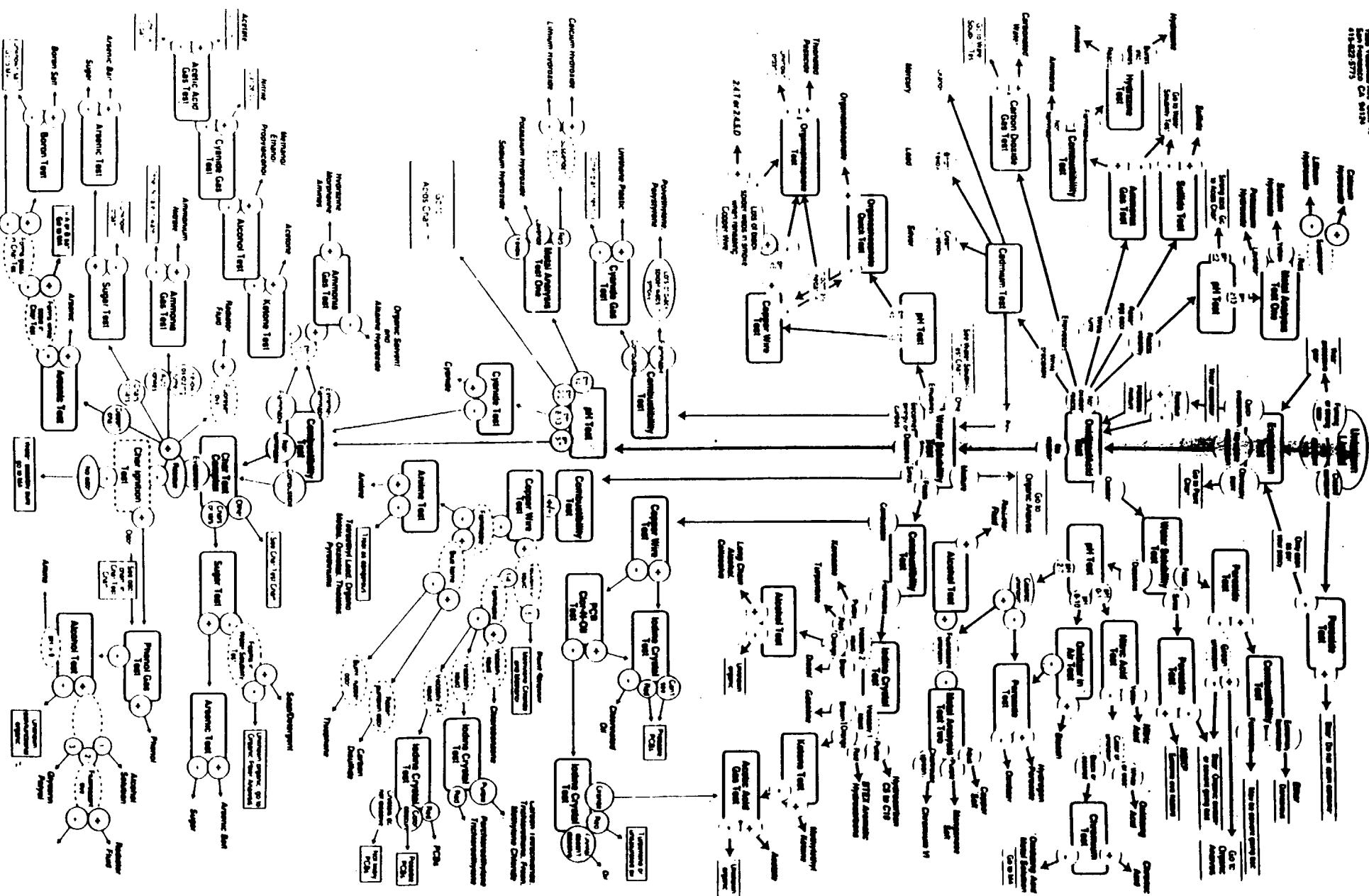
5. Description: liquid, solid (powder or crystals), sludge

6. Color: clear yellow liquid, Odor: -, Vapors: _____

Other: access through open top slot w/ lip, (3 1/2" x 2 45. in L)

H A Z C A T

34 NF





U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page 01

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: RIA 00072

Sampler: Metz, Penske

U.S. EPA/ERTC WAM: Zouwai

Date: 7/14/95

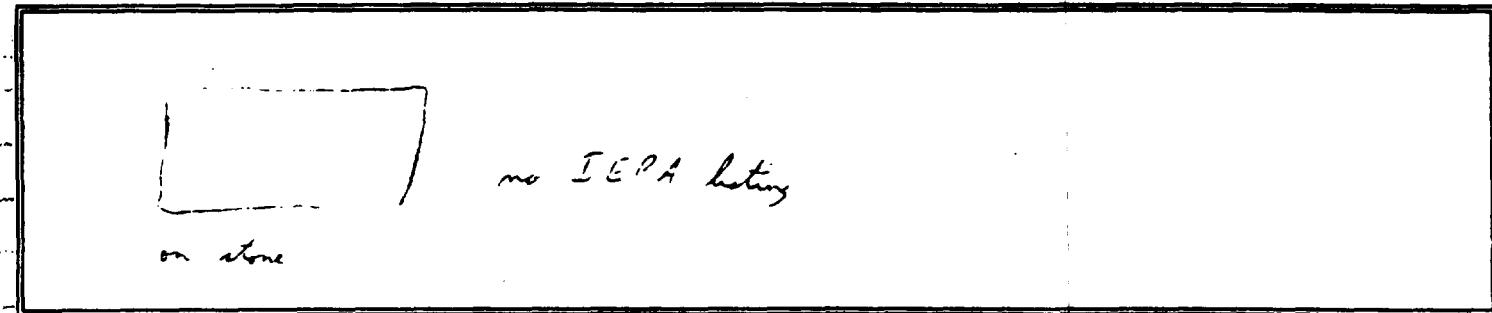
REAC Task Leader: Metz

Drum/Tank #: 401

Approximate Volume: $\frac{1}{2}$ full (~5' ft liquid)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26227	Black Oil - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 26' long, 11' diam.

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

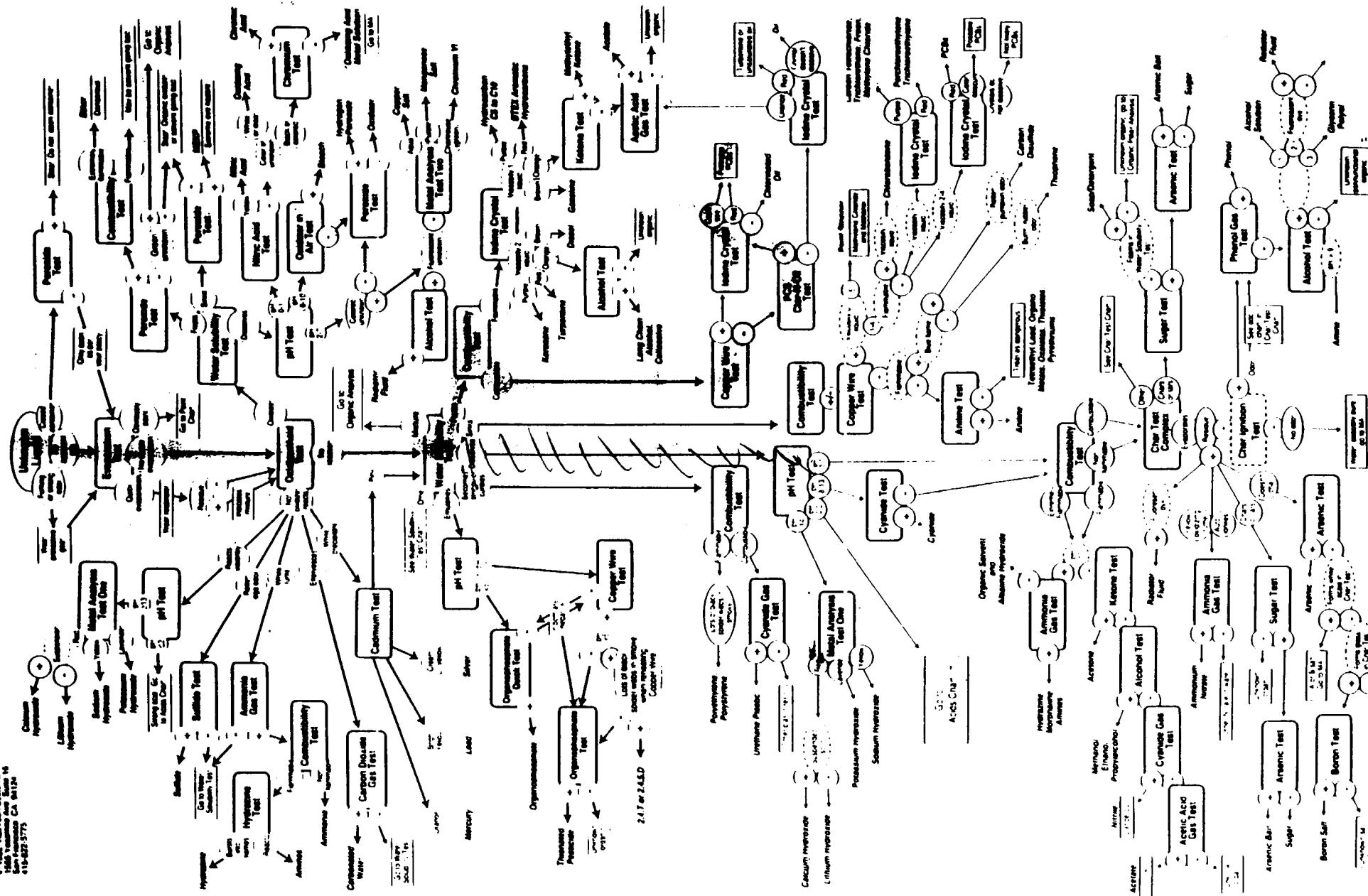
6. Color: brownish-black, Odor: petroleum, Vapors: LEL/ND, 140 ppm P.D.

Other: no lift access to tank, thin oil in tank, sample collected for HAZCAT (331-02), tank not connected to asphalt plant

HAZCAT CHART

H A Z
C H

401 NF





U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ____ of ____



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Metz, Pereira

U.S. EPA/ERTC WAM: Zonair

Date: 7/14/95

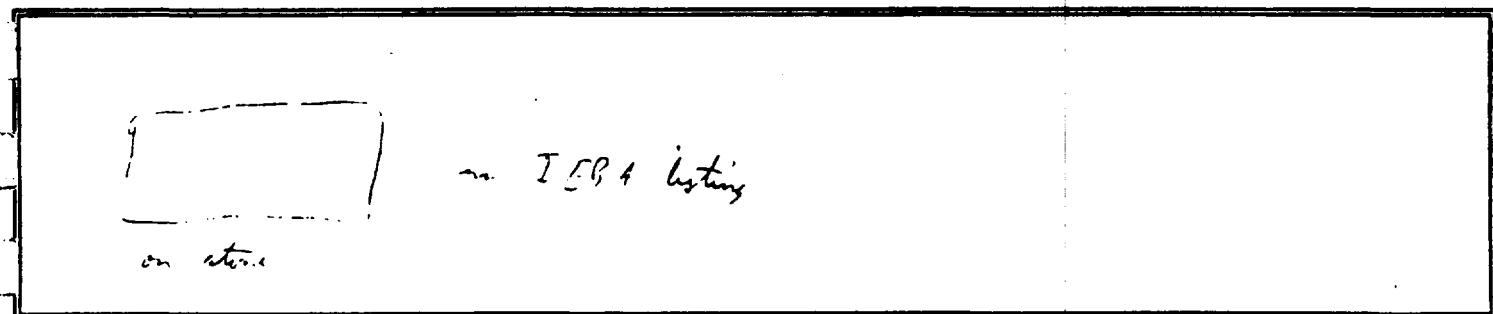
REAC Task Leader: Metz

Drum/Tank #: 402

Approximate Volume: c 1/2 full (~5' mid-oil-line tank)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26228	Black oil - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 26' long, 11' diam.

3. Label present: No, Yes: _____

4. Spill or Leak present: ✓ No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

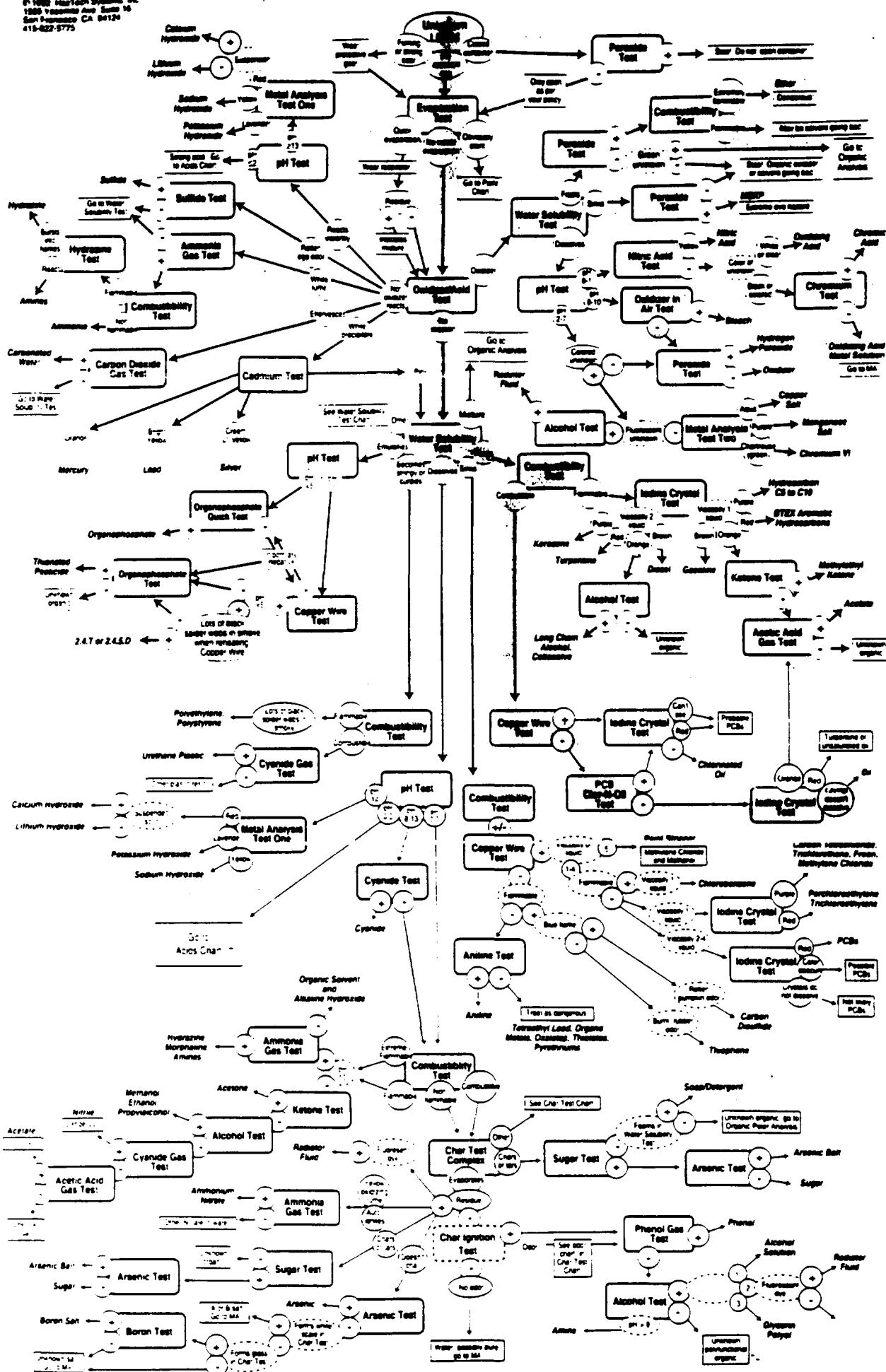
6. Color: brownish-black, Odor: petroleum, Vapors: PID 260 ppm, VOCs, N

Other: gasoline type fuel, medium oil, HAZMAT sample (3 1/2 oz, 2 40-mL)
tank not connected to asphalt plant

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CHART

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San Jose CA 95134
415-222-5775

402NF





U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ___ of ___



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA# R1A 00070

Sampler: _____

U.S. EPA/ERTC WAM: Zoumair

Date: 7/14/89

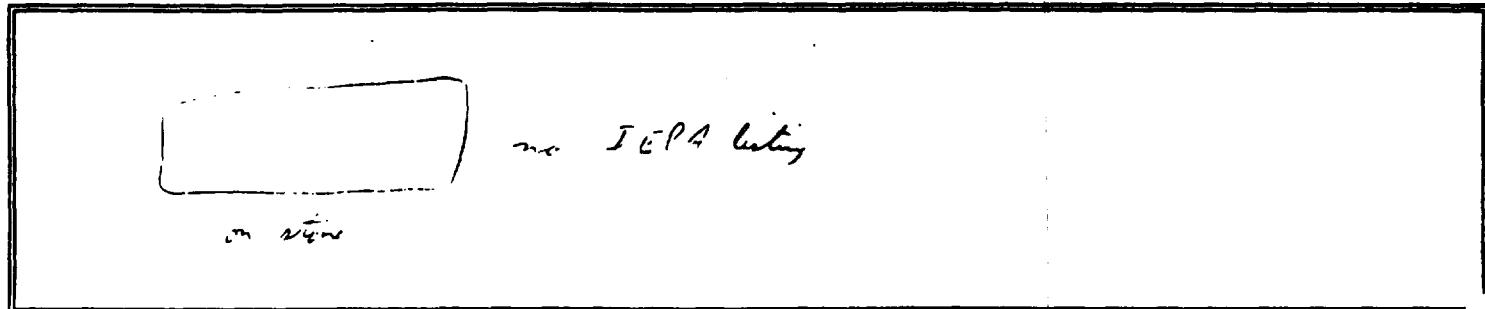
REAC Task Leader: Metz

Drum/Tank #: 403

Approximate Volume: 1/2 full (~5 ft³ thick oil/tar)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26229	Thick Black Sludge - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: horizontal cylnd.

Approximate size: 26' long, 11' diameter

3. Label present: No. Yes: _____

4. Spill or Leak present: No. Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: black, Odor: petroleum, Vapors: PID 30 ppm, LEL 1%, ND

Other: thick oil/tar in tank, even though top solid. HAZCAT sample (3 sec, ~~30 sec~~) tank not connected to asphalt plant

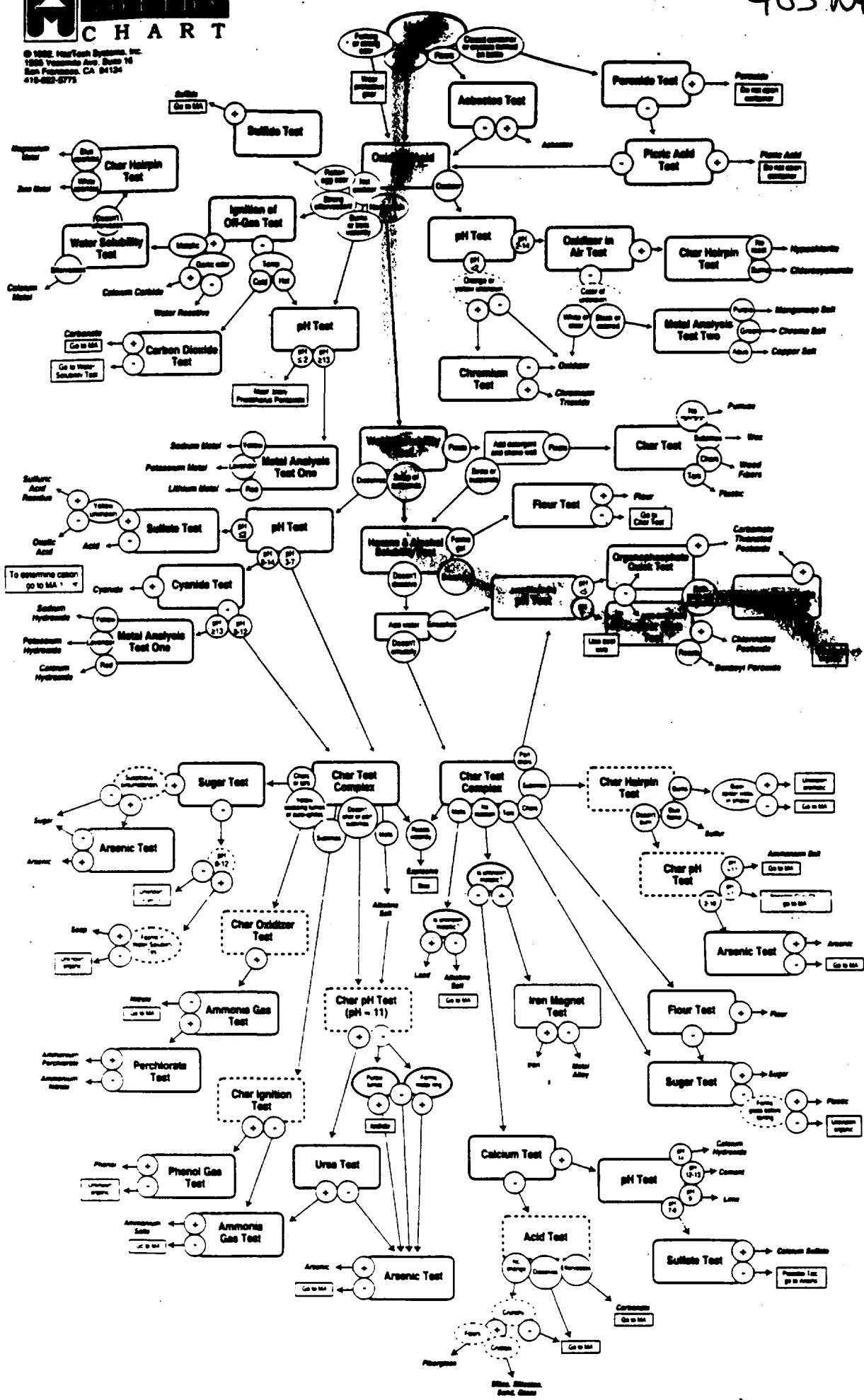


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Sun Prairie, WI 53590
608-832-5773

403 NF





**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: _____

U.S. EPA/ERTC WAM: Zownir

Date: 7/14/99

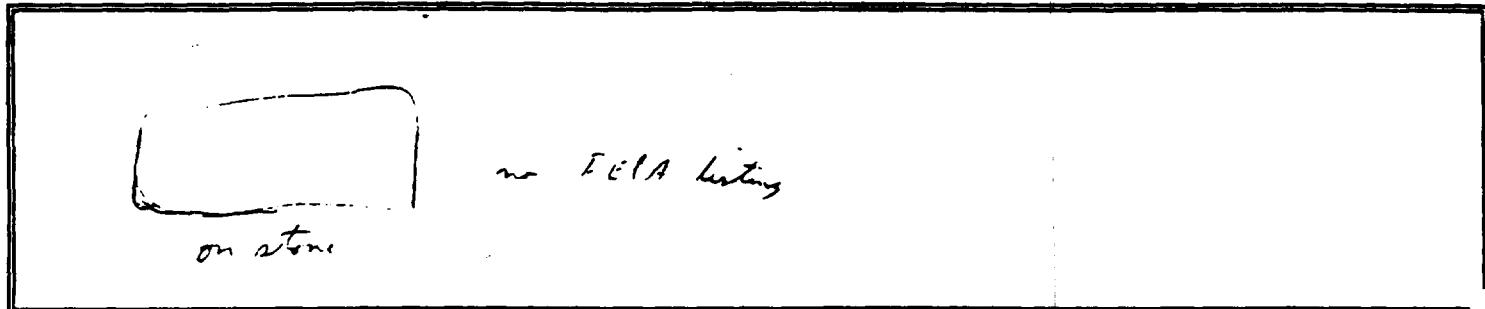
REAC Task Leader: Metz

Drum/Tank #: 401

Approximate Volume: 1/2 full (25%) ~5' rain water

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26230	Black Oil/Liq - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 26' long 11' diam.

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

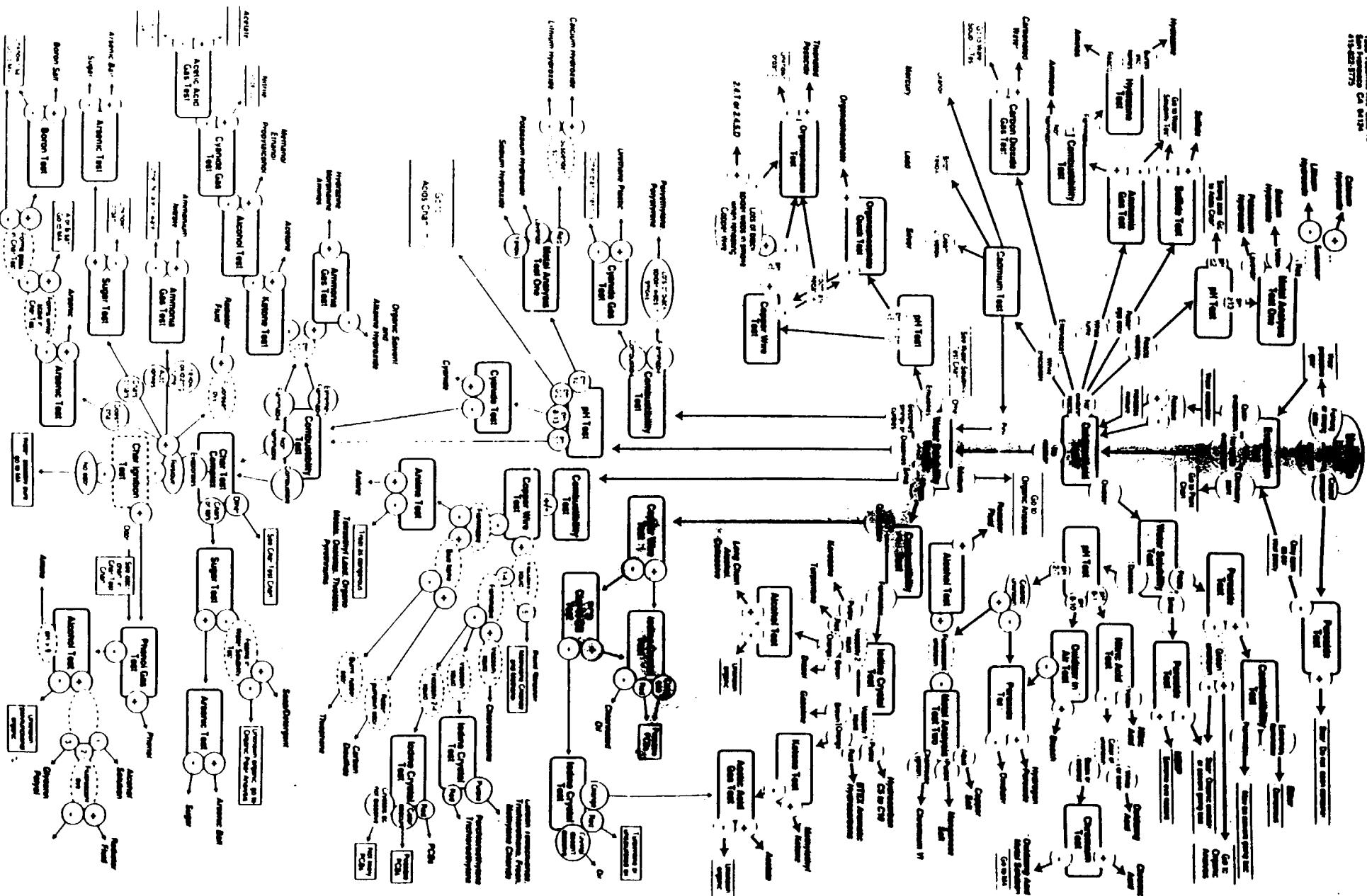
5. Description: liquid, solid (powder or crystals), sludge

6. Color: dark yellow to black, Odor: petroleum, Vapors: PID 13 ppm, C6H6 ND

Other: ~5' water under ~1' oil, even though it's hot, HAZCAT sample (3.32 g, 240 mL)
tank not connected to asphalt plant

HAZCAT
HAZARDOUS
COMPOUNDS
TESTS

404 Nf



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA# R1A00072

Sampler: S.1

U.S. EPA/ERTC WAM: Zorair

Date: 7/15/99

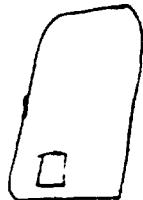
REAC Task Leader: M. tz

Drum/Tank #: 405

Approximate Volume: 1-2" just inserted oil

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



one 16" x 4" section

AMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

Container dimensions: Shape: cylindrical

Approximate size: 24' tall, 15' diam.

3. Label present: No, Yes: _____

Spill or Leak present: No, Yes, Dimensions: _____

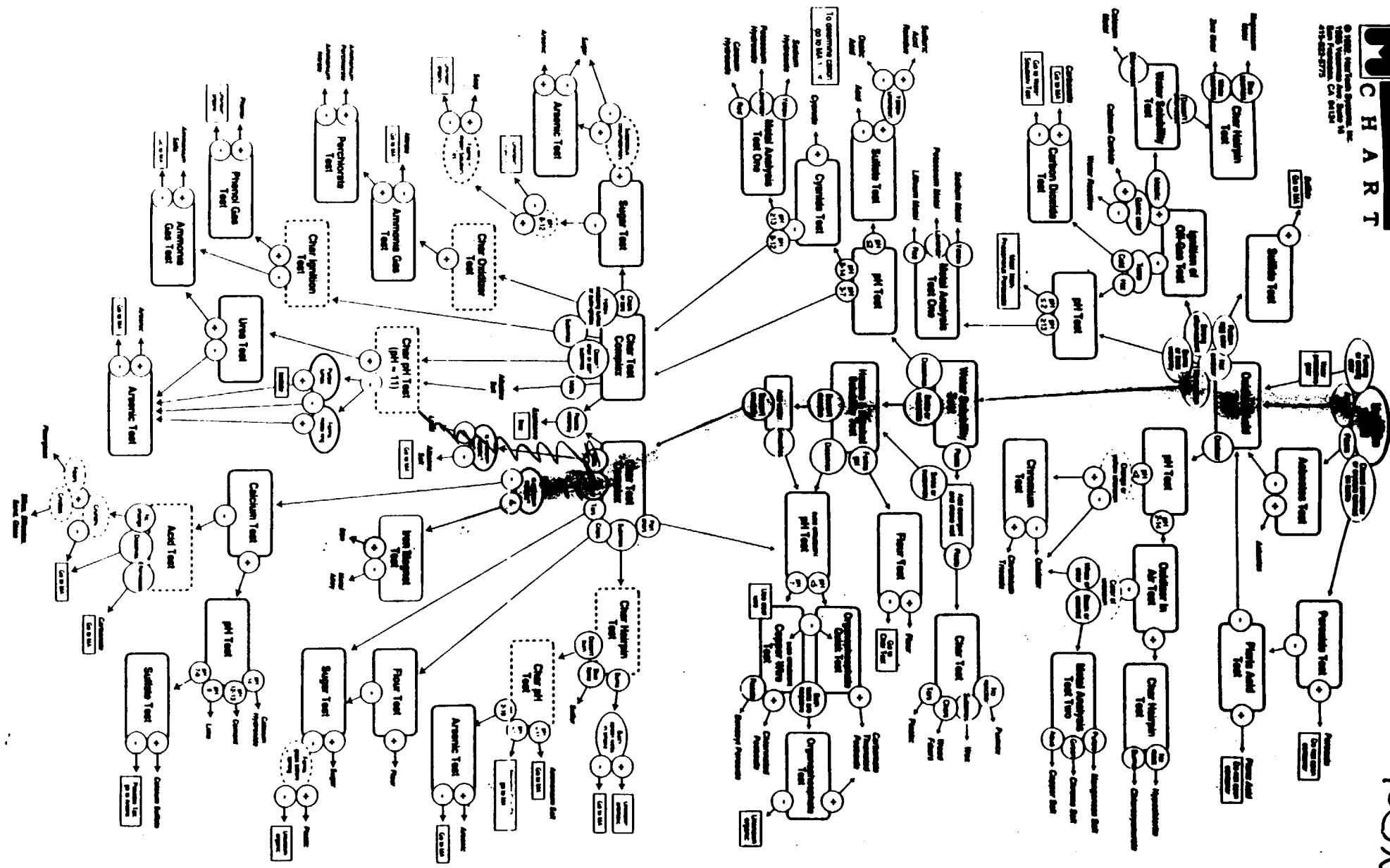
5. Description: liquid, solid (powder or crystals), sludge

Color: black & rust colored, Odor: -, Vapors: PID O ppm, LEL ND

Other: open memory 3 3d-oz collected, scale not available inside bottom



405 NF





U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ
 EPA Contract No. 69-C99-223

Site: SCT

WAM: R1A 00073

Sampler: S. A.

U.S. EPA/ERTC WAM: Z0001

Date: 7/15/95

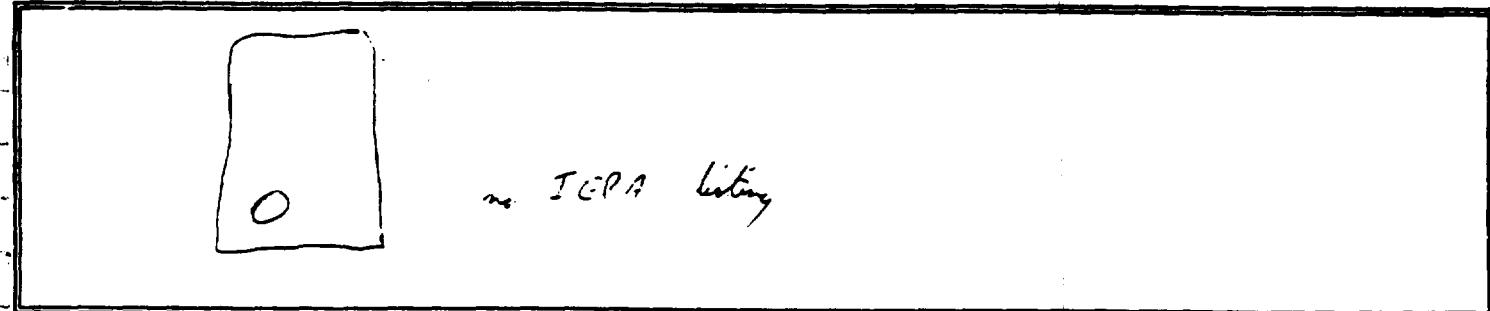
REAC Task Leader: M. C. T.

Drum/Tank #: 406

Approximate Volume: 2 1/2 - 3" ambient (water w/o oil)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 24" tall, 11" dia

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

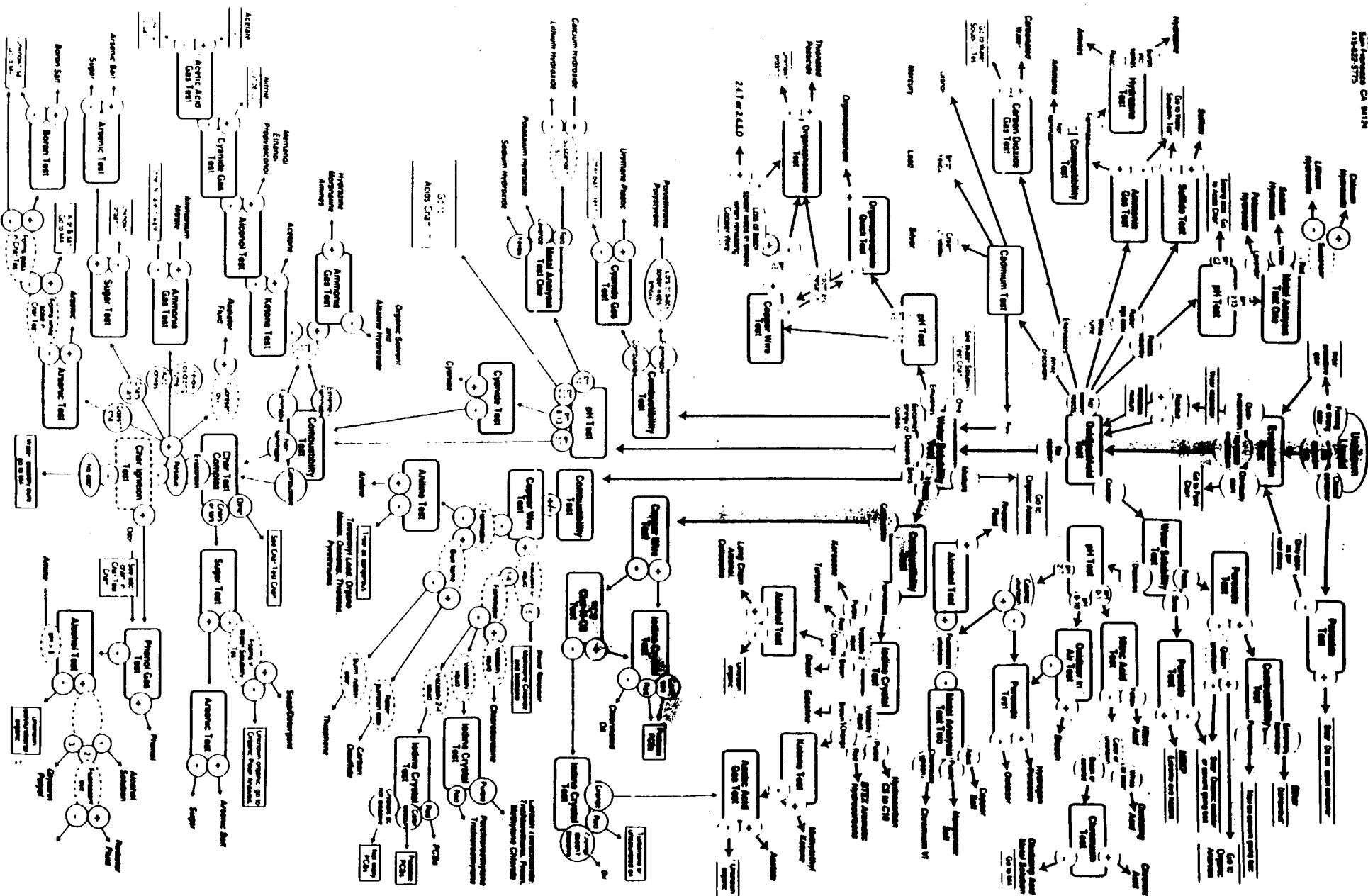
5. Description: liquid, solid (powder or crystals), sludge

5. Color: black or dark liquid, Odor: oil, Vapors: PID Oder, VOC ND

Other: open memory, thick water, oil 3 30-oz, -

H A Z C A T
L O G I D S
C H A R T

406
NF





U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet



Lockheed Martin Corp., Edison, NJ
 EPA Contract No. 69-C99-223

Site: SCT

WA# R1A00070

Sampler: Lupine, Persina

U.S. EPA/ERTC WAM: 20 min's

Date: 7/15/99

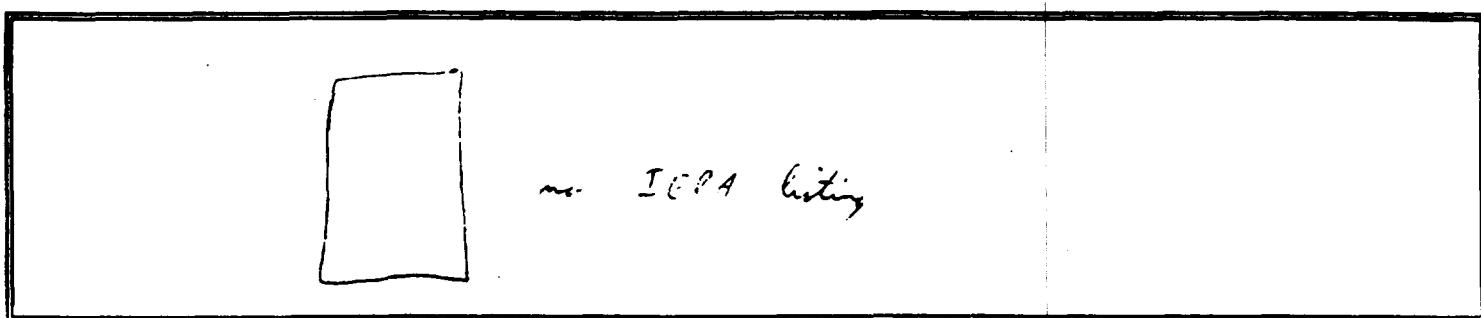
REAC Task Leader: Metz

Drum/Tank #: 407

Approximate Volume: 9' liquid (2.4L)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26231	Black Thick Oil - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 14' L x 21' diameter

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: black, Odor: asphalt, Vapors: PID 80 ppm, LEL 10%

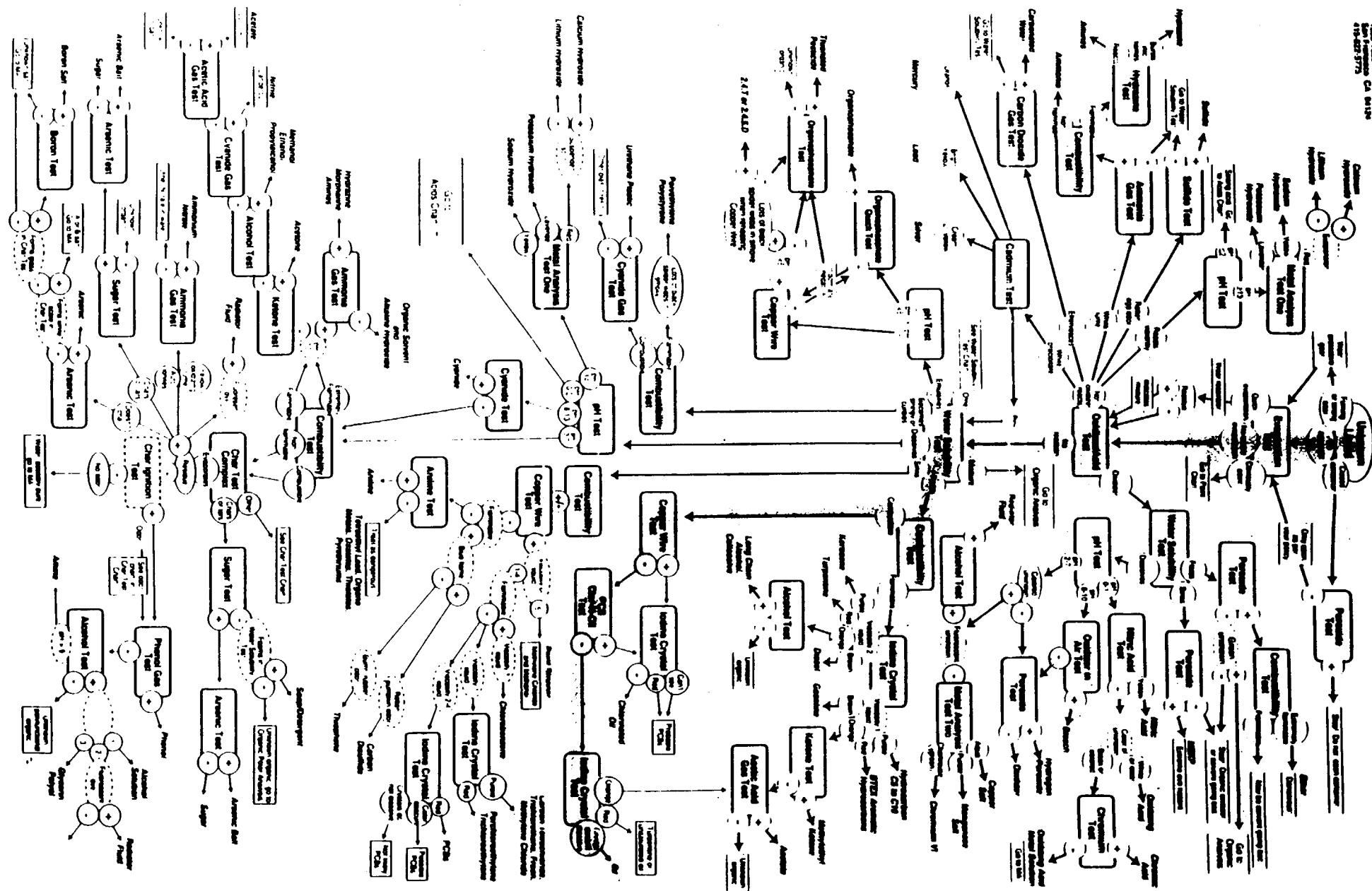
Other: top access no open manway required to get thick layer in tank, no leaking
2 31-oz jugs

HAZCATE

CHART

407 NF

Chemical test chart
for identification of
solid substances





U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ___ of ___



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: 6T

WA#: R1900072

Sampler: S.1

U.S. EPA/ERTC WAM: 20-hr

Date: 7/15/99

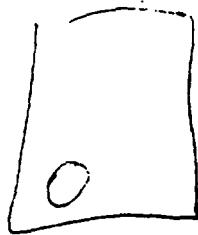
REAC Task Leader: M. + z

Drum/Tank #: 408

Approximate Volume: 1 1/2' product (1" slf on -1 1/2" water)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26254	Metals - white clear liquid
26268	VOC

Sampling Diagram



IEPA line

SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 14' tall, 11' dia.

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

Color: brown, black w/ clear liquid. Odor: _____, Vapors: FID 3 mm, LEC ND

Other: open memory, sludge on the land, collect 4-5 jars of sludge, collect 3-5 g of water

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C H A R T

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408 NF



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Site: SCT

Page of
REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

WAM: R1A0007J

Sampler: Lupine, Percey

U.S. EPA/ERTC WAM: Zomar

Date: 7/15/99

REAC Task Leader: Metz

Drum/Tank #: 409

Approximate Volume: 17' product (dust, tar, etc)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26232	PCB - Black solid TAR

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 24' tall, 11' diam

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

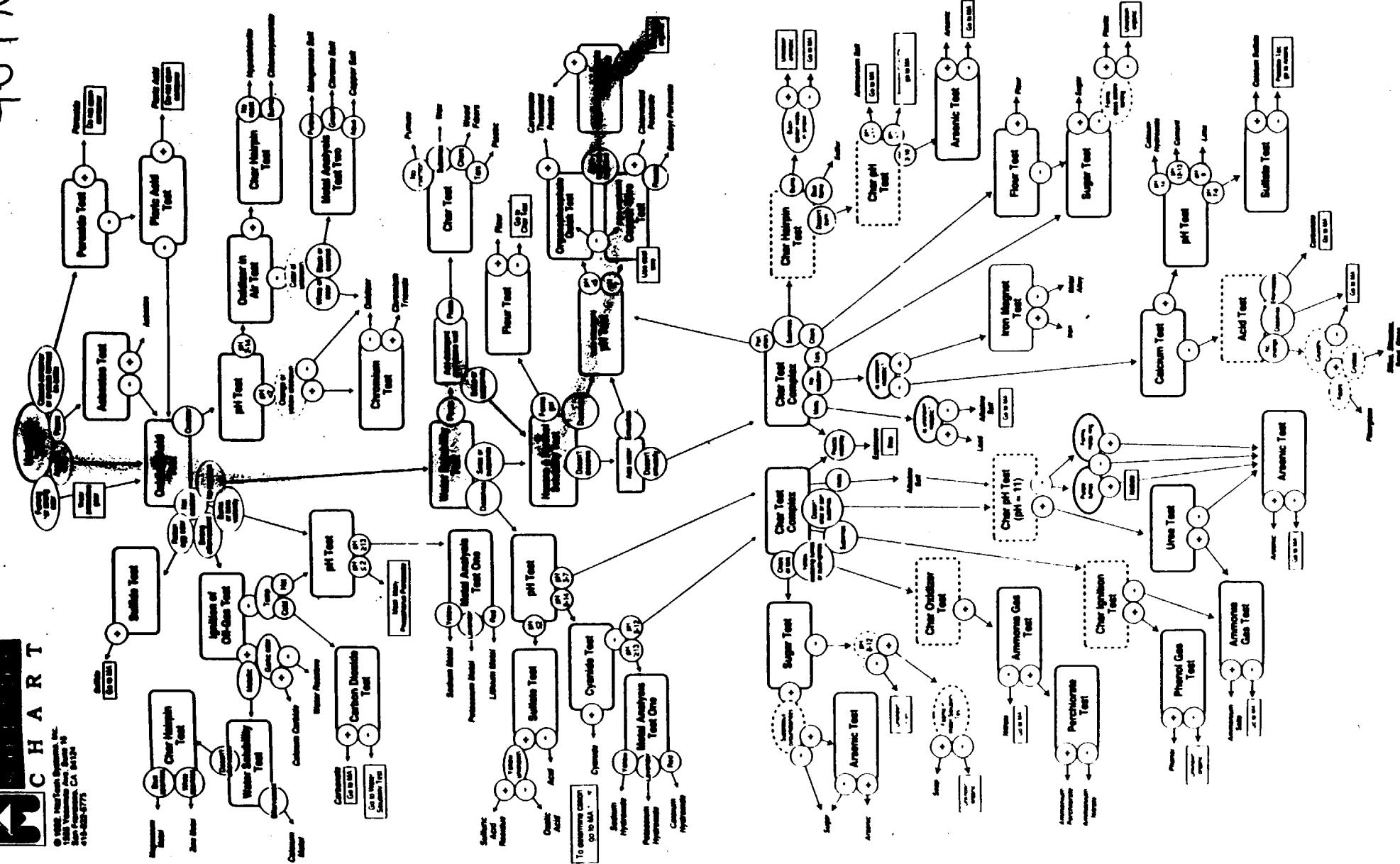
5. Description: liquid, solid (powder or crystals), sludge

6. Color: Black, Odor: ugly, Vapors: PID Open, LEL ND

Other: top access, no open manway, too hot to sample so bypass detected, small sample amount collected, potential for water at 24' below product surface

**HAZCAT
CHART**

409 N





U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ____ of ____



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00072

Sampler: Lupiano, Perez

U.S. EPA/ERTC WAM: 20 min.

Date: 7/15/95

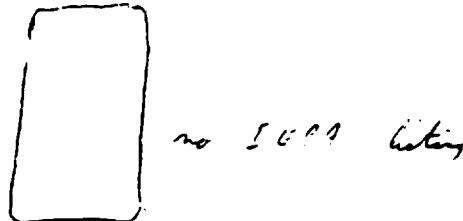
REAC Task Leader: Metz

Drum/Tank #: 110

Approximate Volume: 6" depth (to 44 inches)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 24' tall, 21' diam.

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: black, Odor: explosive, Vapors: PID 5 ppm, LEL ND

Other: open manway top access, collect 2 33-oz jars

H A Z C A T

410 NF

**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA#: R1A00070

Sampler: Lupiano, Pelegas

U.S. EPA/ERTC WAM: Zornir

Date: 7/15

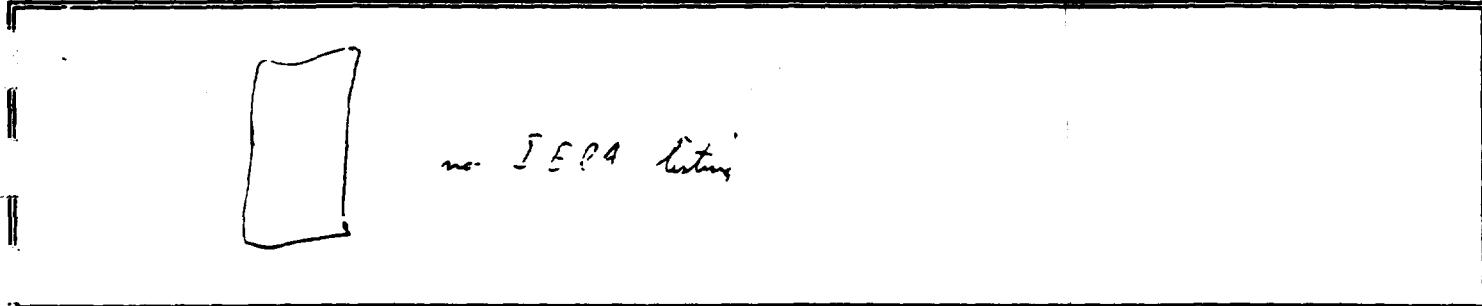
REAC Task Leader: Metz

Drum/Tank #: 411

Approximate Volume: 16' product (~ water layer)

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26233	Thick Black Goo - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical: _____

Approximate size: 14' tall, 21' diam.

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

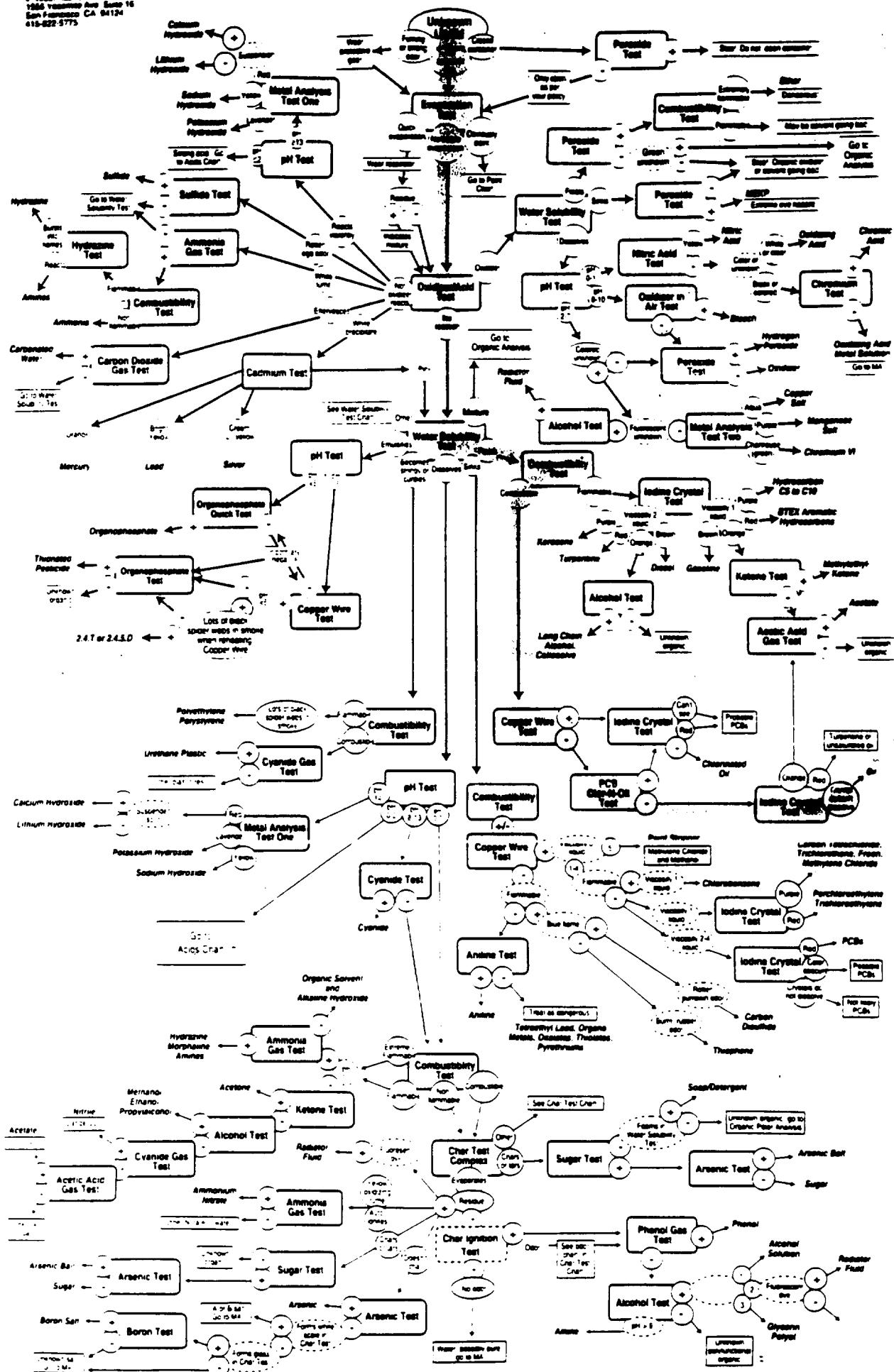
Color: black, Odor: asphalt, Vapors: PID 10 ppm, LC-L ND

Other: top access, no open manway, 2 3.3-g, to the substance

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411 NF





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**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA# R110007

Sampler: SG1

U.S. EPA/ERTC WAM: Zam

Date: 7/15/99

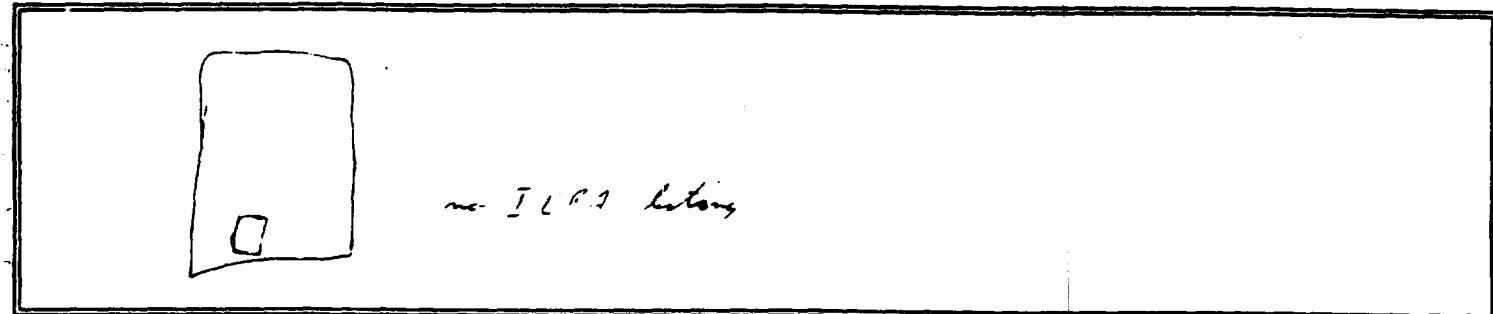
REAC Task Leader: Metz

Drum/Tank #: 412

Approximate Volume: <1' max b mid

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cyl

Approximate size: 24' tall, 15' dia

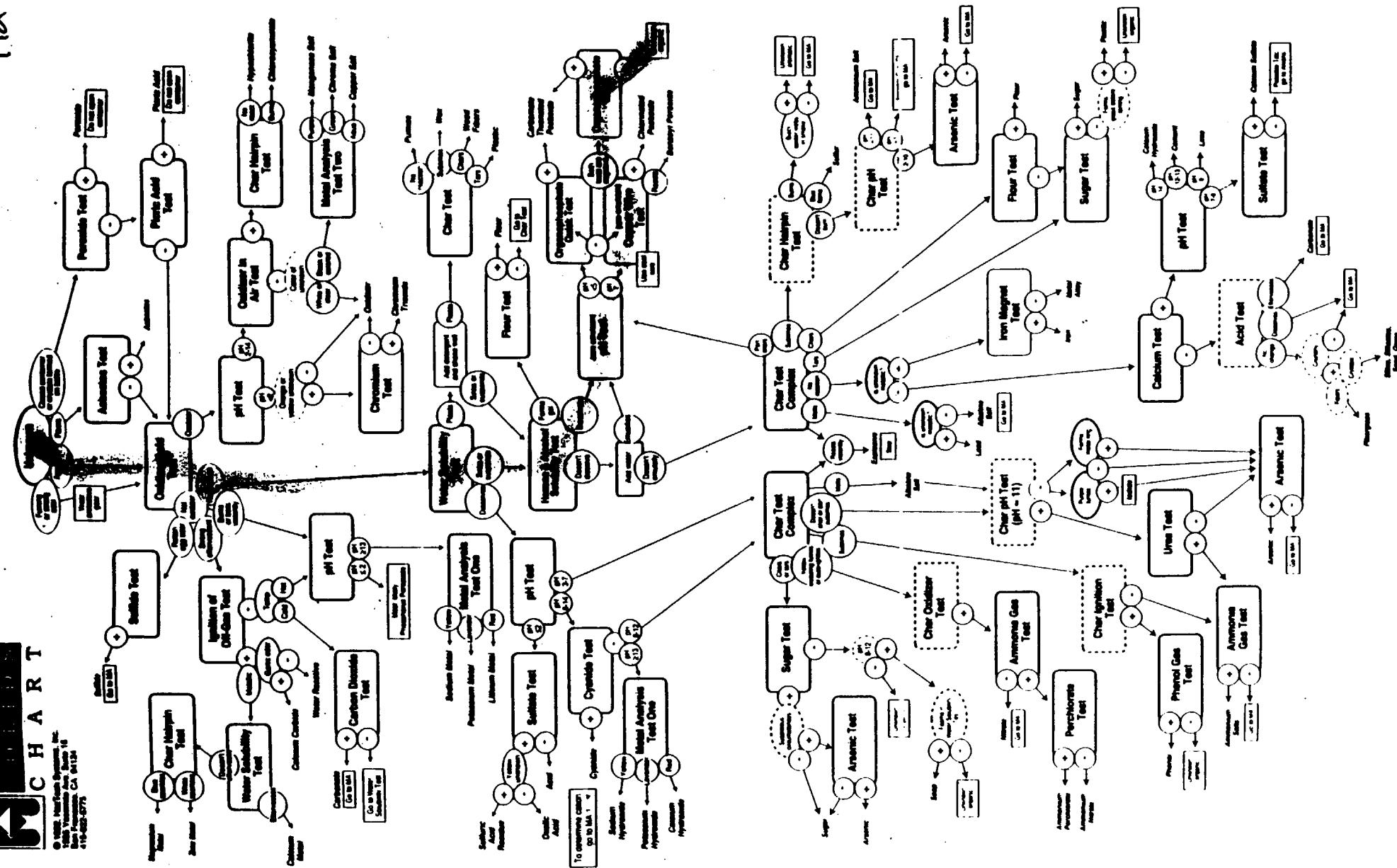
3. Label present: No, No. _____ Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: black/must, Odor: _____, Vapors: PID C2H6, CO, NOx

Other: most is oil sludge, some may be 131-7-22





says 01

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WA# R1A 00072

Sampler: Lorraine, Perriag

U.S. EPA/ERTC WAM: Z

Date: 7/15/99

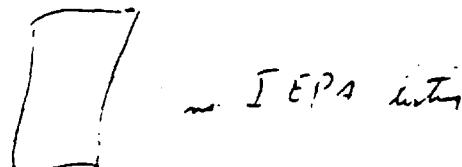
REAC Task Leader: M. f.

Drum/Tank #: 413

Approximate Volume: 3' product, no water

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26234	Thick Black Goo - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 14' tall 21' diam

3. Label present: ✓ No: _____ Yes: _____

4. Spill or Leak present: ✓ No: _____ Yes, Dimensions: _____

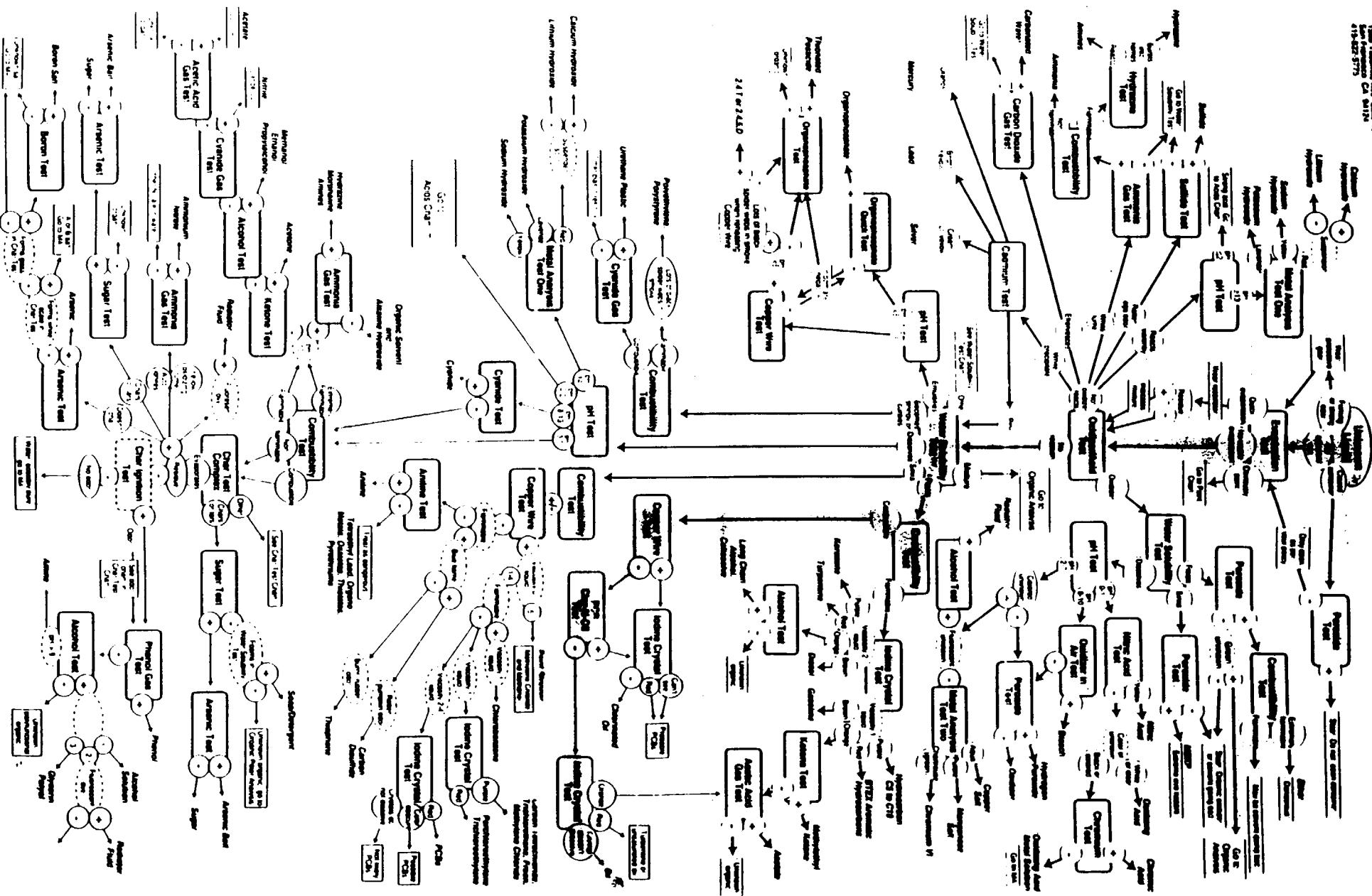
5. Description: liquid, solid (powder or crystals), sludge

6. Color: Pink, Odor: asphalt, Vapors: PID 8 ppm, LEL n/a

Other: no open manholes, 6 ft access to 7 ft of water

H A Z C A I
C H A R T

413 NF





U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ____ of ____

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WAM# F1A 00072

Sampler: Lugione, Pepe

U.S. EPA/ERTC WAM: Zonair

Date: 7/15/94

REAC Task Leader: Metz

Drum/Tank #: 414

Approximate Volume: 4" product, ~200 ml

Sample Number	Comments: (i.e. volume, depth sampled, etc.)

Sampling Diagram

~ I EPA listing

SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: cylindrical

Approximate size: 14' tall, 21' dia.

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

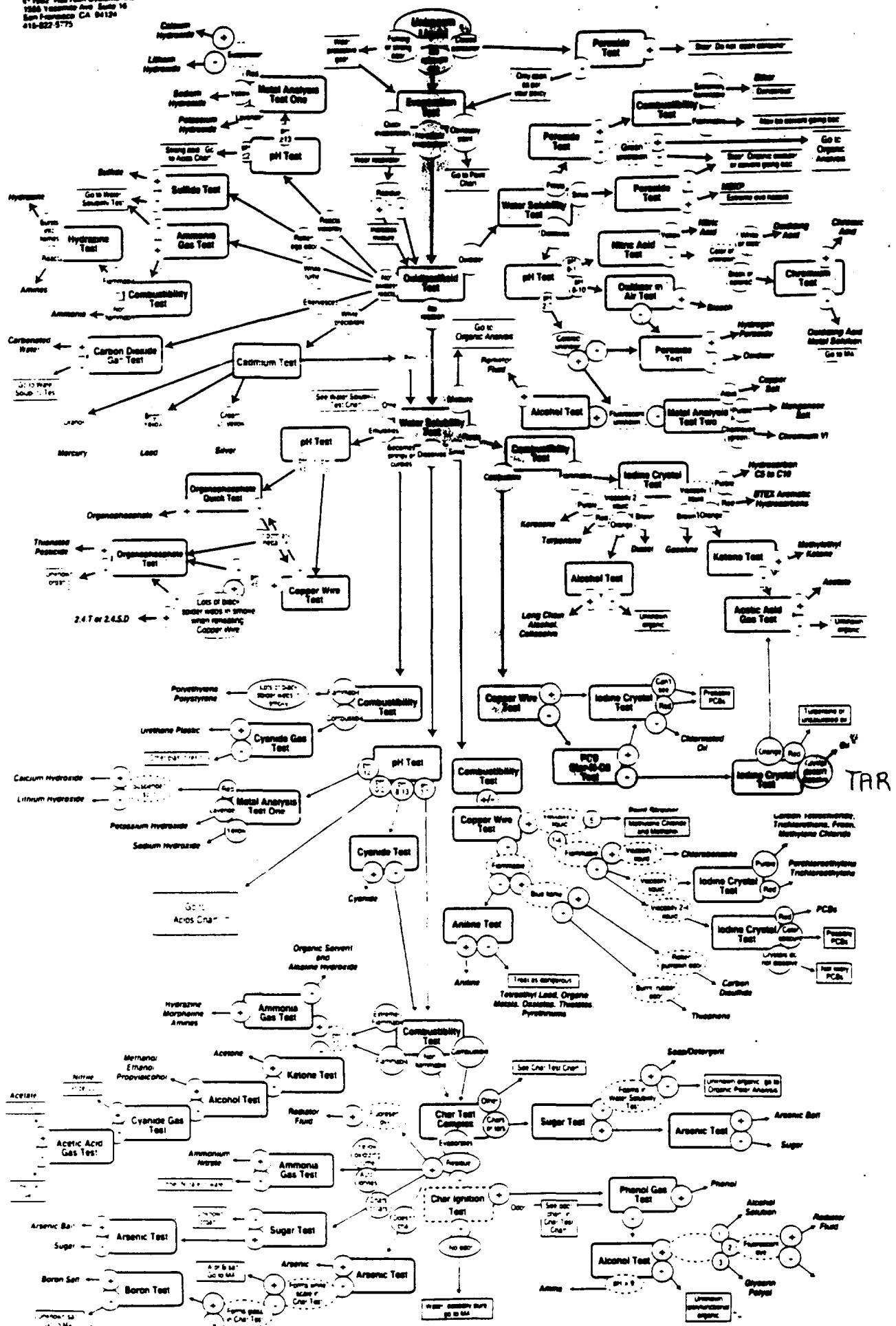
Color: black, Odor: asphalt, Vapors: P/S smell, cool

Other: no open manway, 6 ft access, 1 story

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San Jose CA 95134
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414 NF





**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCT

WAM: R19 00072

Sampler: Lupiong

U.S. EPA/ERTC WAM: Z00001

Date: 7/15/95

REAC Task Leader: Metz

Drum/Tank #: T1

Approximate Volume: 3 transforms

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26235	T ₁ , T ₂ , T ₃ - Composite, clear yellow - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: transforms (3)

2. Container dimensions: Shape: cylindrical

Approximate size: 4' tall x ~2' diameter

3. Label present: No, Yes: 11; 11

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: clear yellow liquid, Odor: -, Vapors: -

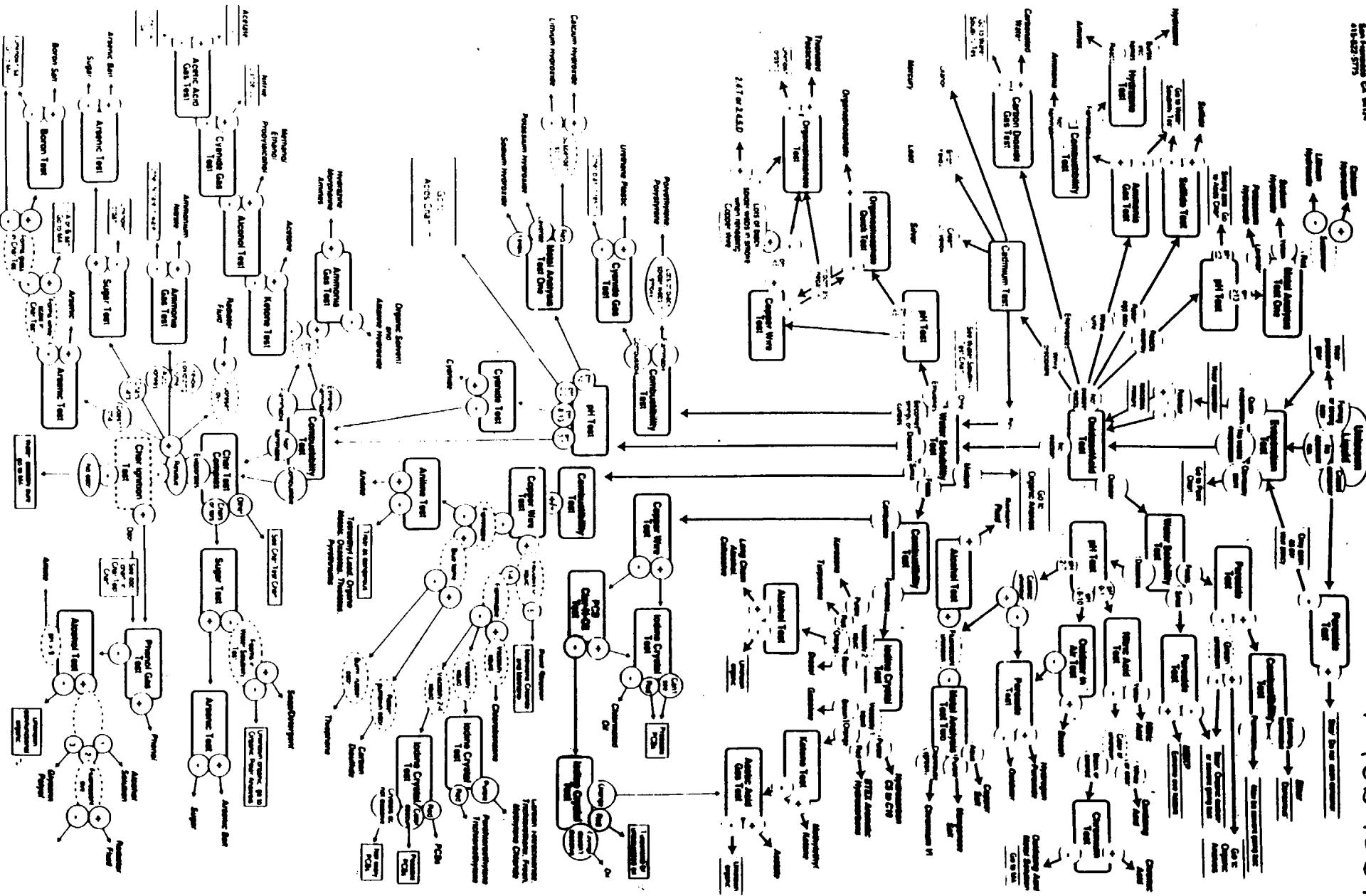
Other: "ME" on top, "375" on front located off corner of Tank 117 and Tank 34

but on front are illegible, located inside Building K. about 1 30-40 yds from
3 transforms composite sample is light yellow

HAZ CARD

Chemical Hazards
Safety Data Sheet

* PCB TEST





**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: 5CT

WAN: R1A00073

Sampler: Lupione

U.S. EPA/ERTC WAM: Zawisir

Date: 7/15/99

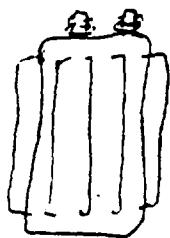
REAC Task Leader: Metz

Drum/Tank #: T2

Approximate Volume: 3 x 100 ft³/ton

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
26235	T ₁ , T ₂ , T ₃ - Comprise Clear Yellow - PCB

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: 3 trans formers

2. Container dimensions: Shape: cylindrical

Approximate size: 4 1/2' tall ~ 3' diam

3. Label present: No, Yes: ✓ Melony Transformer Melony Elec. Co. 105 gal
250 KVA

4. Spill or Leak present: ✓ No, Yes, Dimensions: 6-15-58 MFG DATE 2900 lbs

5. Description: ✓ liquid, ✓ solid (✓ powder or ✓ crystals), ✓ sludge

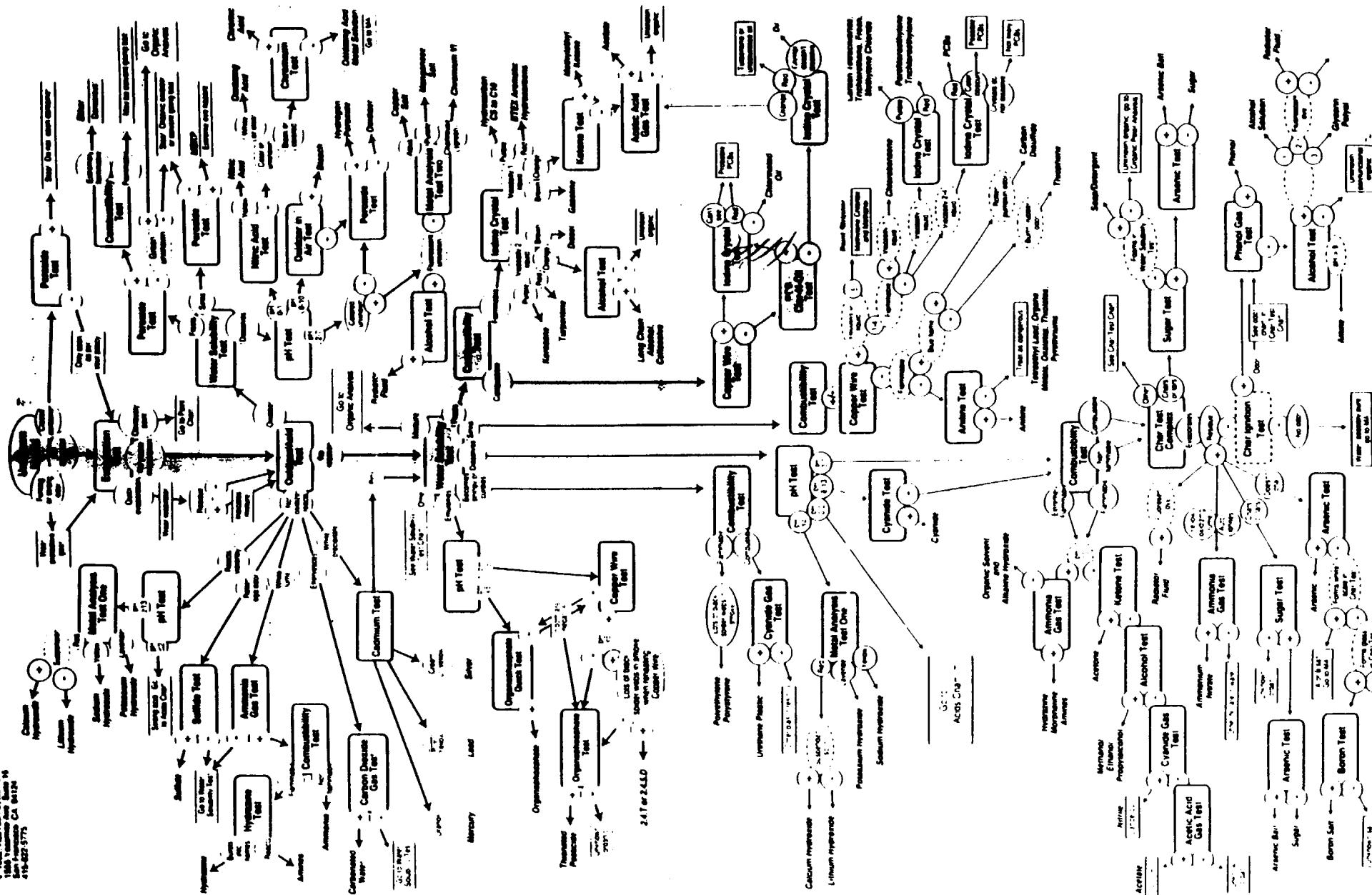
Color: clear-yellow, Odor: -, Vapors: -

Other: PCB sampling, sums to 20 L of transformer, collect 13L-03 gal for 8 PCBs

located at NW corner, NE of Tank 90

HAZARD CHART

NE
T2





**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

Page of 

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: SCTWAS: R1A 00072

Sampler: _____

U.S. EPA/ERTC WAM: Zawinski

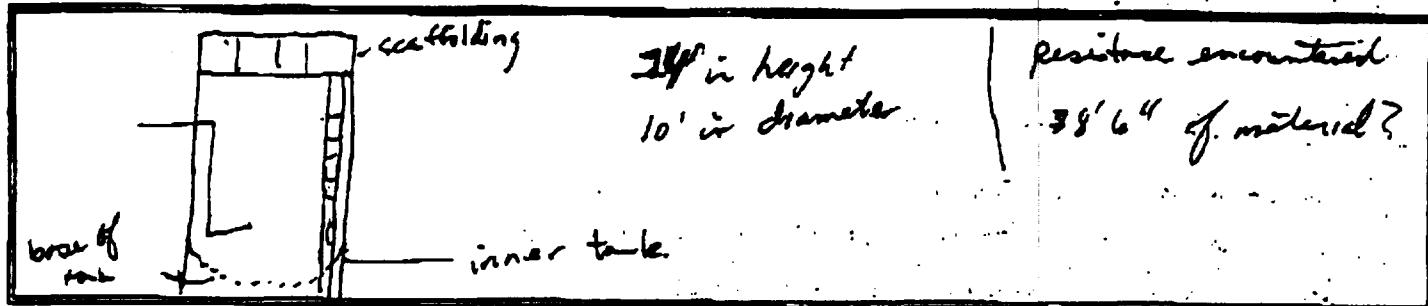
Date: _____

REAC Task Leader: MetzDrum/Tank #: Vact tank at processing unit

Approximate Volume: _____

Sample Number	Comments: (I.e. volume, depth sampled, etc.)
T-03	2 8oz jars from transformer/reactor located at top of tank. clear yellow liquid composite sample for PCBs,

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: transformer/reactor

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No, Yes: see back4. Spill or Leak present: No, Yes, Dimensions: _____5. Description: liquid, solid (powder or crystals), sludge6. Color: yellow, clear, Odor: _____, Vapor: _____

Other: _____

H A Z C A T[®]

1988 Aug 26 16
Sun Pictures Ca 94124
415-822-5773

13

Appendix B

Appendix B

APPENDIX B

**Tank Sampling Work Sheets
South Central Terminal**

Pana, Illinois

R1A 00072

August 1999



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet



Lockheed Martin Corp., Edison, NJ
 EPA Contract No. 69-C99-223

Site: _____

WA#: 0-072

Sampler: J.BRADSTREET

U.S. EPA/ERTC WAM: _____

Date: 7/12/99

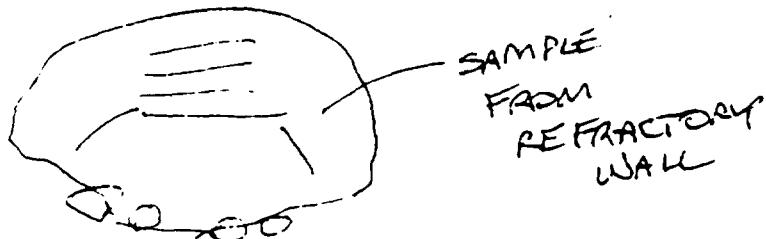
REAC Task Leader: METZ

Drum/Tank #: DISCARDED CRUDE PREHEATER

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 001	POSSIBLE ACM
26320	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: CRUDE PREHEATER

2. Container dimensions: Shape: CYLINDRICAL

Approximate size: 12' DIA

3. Label present: No. Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: GREY, Odor: NO, Vapors: _____

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA# 0-072

Sampler: ACM 002 Bladstreet U.S. EPA/ERTC WAM: _____

Date: 7/13/99

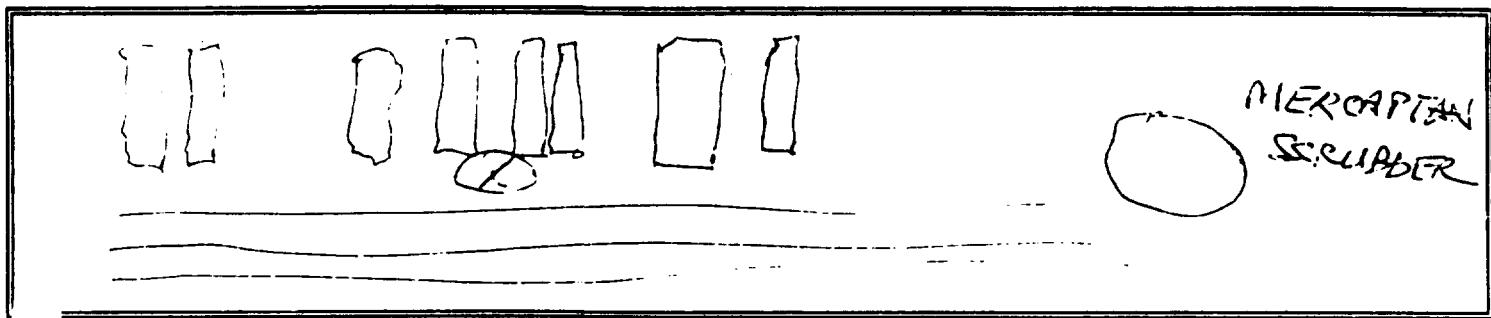
REAC Task Leader: _____

Drum/Tank #: _____

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 002	FLOOR OF LINES TO MERCAPTAN SCRUBBER
26321	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum. Tank. Other: SUSPECT ACM OUTFLOOR

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No. Yes: _____

4. Spill or Leak present: No. Yes, Dimensions: 25' x 10'

5. Description: liquid. solid (powder or crystals). sludge

6. Color: _____, Odor: _____, Vapors: _____

Other: _____



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ____ of ____



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA#: D-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: _____

Date: 7/13/99

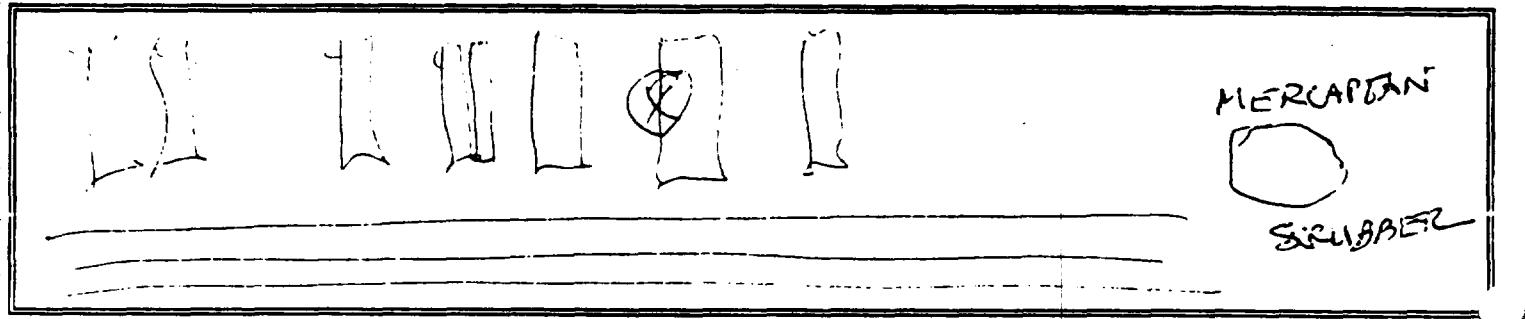
REAC Task Leader: METZ

Drum/Tank #: PIPE 5

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM CO3	Possible ACM
26322	_____
_____	_____
_____	_____

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: WRAPPED ON PIPES TO MERCAPTAN SCRUBBER
2. Container dimensions: Shape: _____
Approximate size: _____
3. Label present: No, Yes: _____
4. Spill or Leak present: No, Yes, Dimensions: _____
5. Description: liquid, solid (powder or crystals), sludge
6. Color: grey, Odor: NA, Vapors: _____
- Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

Page ___ of ___



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA#: _____

Sampler: A. BRADSTREET

U.S. EPA/ERTC WAM: _____

Date: 7/13/99

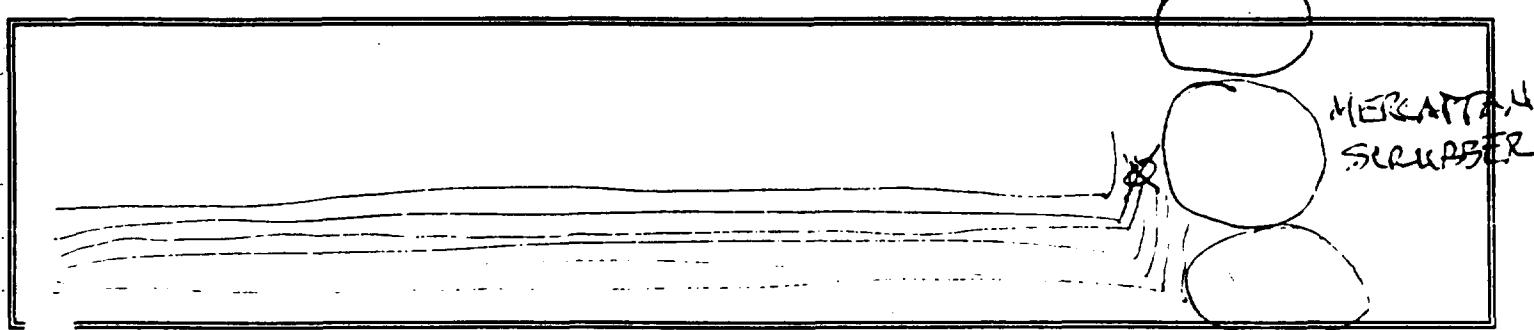
REAC Task Leader: METZ

Drum/Tank #: PIPING WRAP

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 004	POSSIBLE ACM INSULATION
26323	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: PIPING TO MERCAPTAN SCRUBBER

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No. Yes: _____

4. Spill or Leak present: No. Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: GREY, Odor: NA, Vapors: -

Other: _____



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page ____ of ____



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA# : 0-072

Sampler: J. BRAIDSTREET

U.S. EPA/ERTC WAM: _____

Date: 7/13/99

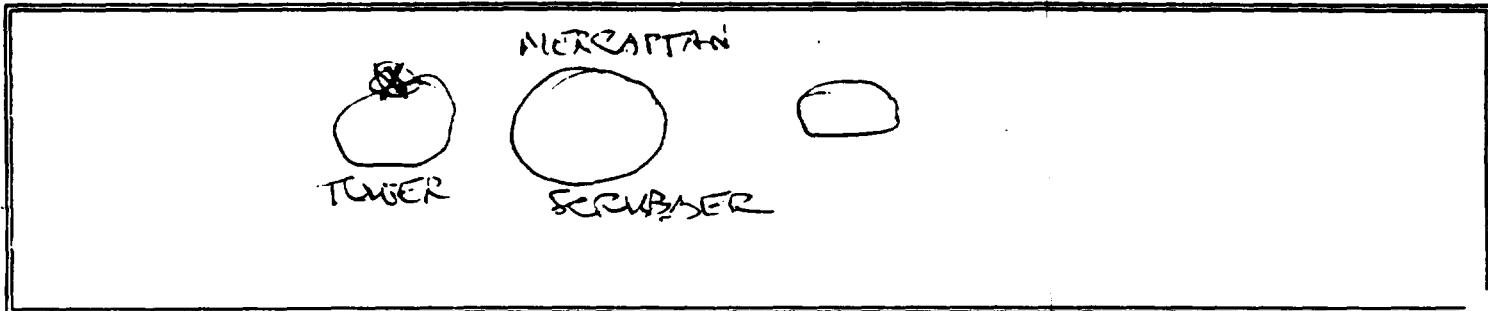
REAC Task Leader: METZ

Drum/Tank #: OWER

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 005	POSSIBLE ACM INSULATION
26324	

Sampling Diagram



SAMPLE INFORMATION.

1. Container type: Drum, Tank, Other: OWER INSULATION

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No. Yes: _____

4. Spill or Leak present: No. Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: grey, Odor: NA, Vapors: _____

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA# : 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: _____

Date: 7/13/99

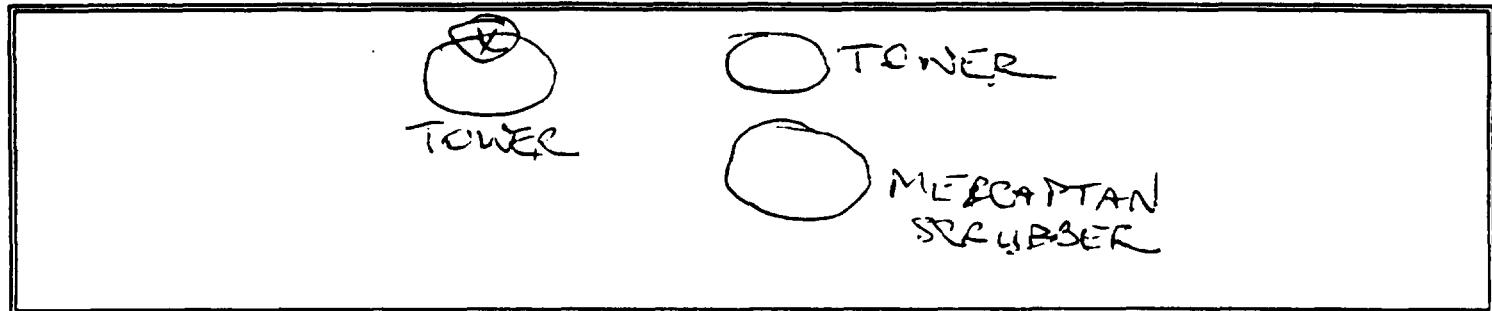
REAC Task Leader: METZ

Drum/Tank #: TOWER

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 006	POSSIBLE ACM INSULATION
26325	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: TOWER

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No. _____ Yes: _____

4. Spill or Leak present: No. _____ Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: CGRAY, Odor: N/A, Vapors: —

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA# 0-072

Sampler: T. BEADSTREET

U.S. EPA/ERTC WAM: _____

Date: 7/13/99

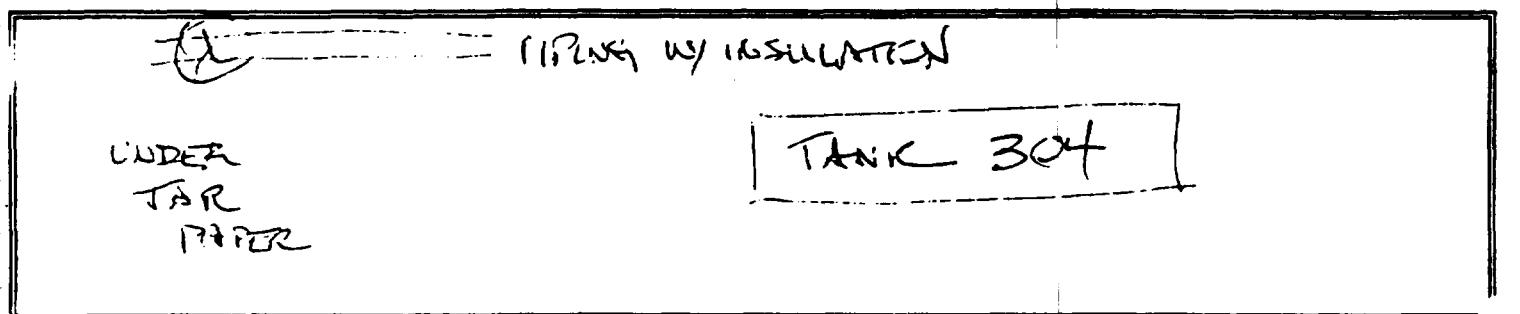
REAC Task Leader: METZ

Drum/Tank #:

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 007	POSSIBLE ARM INSULATION
26326	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum. Tank, Other: PLASTIC

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No. Yes: _____

4. Spill or Leak present: No. Yes, Dimensions: _____

5. Description: liquid. solid (powder or crystals); sludge

6. Color: tan/grey, Odor: N/A, Vapors: N/A

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA#: 0-072

Sampler: JIBRADSTREET

U.S. EPA/ERTC WAM: ZOWNER

Date: 7/13/99

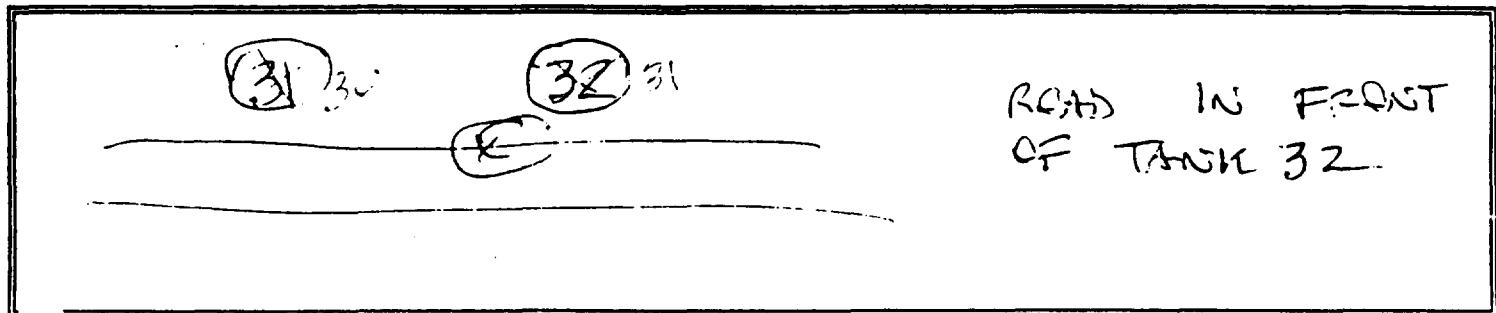
REAC Task Leader: METZ

Drum/Tank #: ROAD

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM Q08	POSSIBLE ACM
26327	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: ROAD

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No: _____ Yes: _____

4. Spill or Leak present: No: _____ Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: GREY, Odor: N/A, Vapors: N/A

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

Page 1 of 1



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA#: 0-072

Sampler: J. BROADSTREET

U.S. EPA/ERTC WAM: ZOWNER

Date: 7/13/99

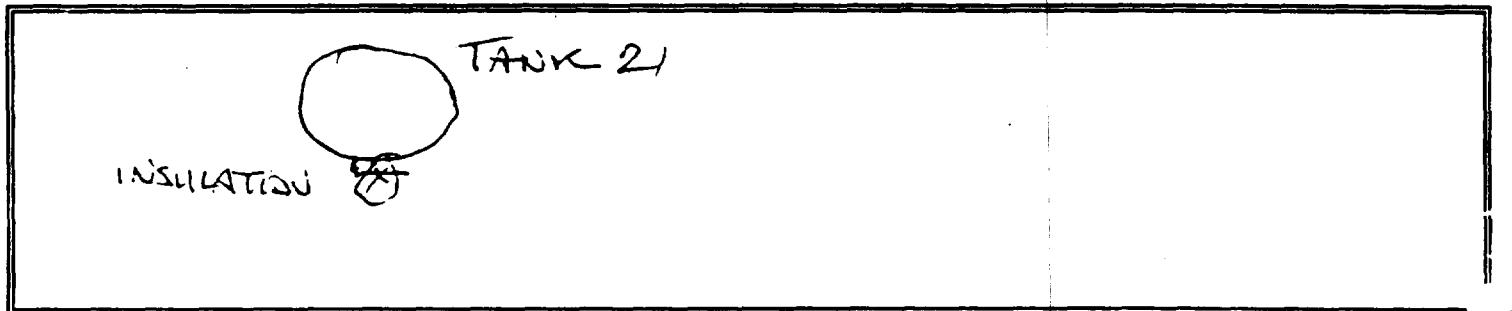
REAC Task Leader: METZ

Drum/Tank #: INSULATION

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 009	Possible ACM INSULATION
26328	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: INSULATION

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: C92E4, Odor: NA, Vapors: NA

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA#: 0-072 _____

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: Z OWNER

Date: 7/13/99

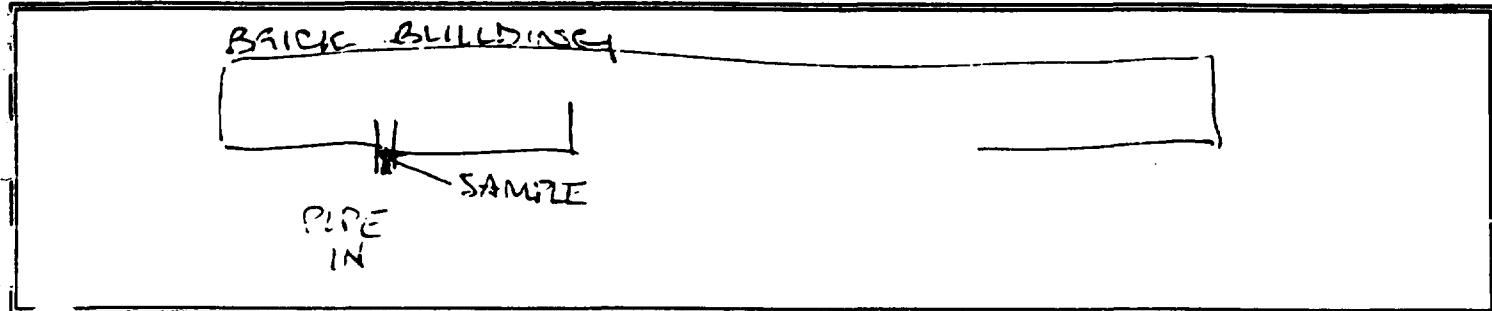
REAC Task Leader: METZ

Drum/Tank #: _____

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 010	POSSIBLE ACM INSULATION
26329	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: PIPE INSULATION

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No. Yes: _____

4. Spill or Leak present: No. Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: GREY, Odor: NA, Vapors: NA

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA#: C-072

Sampler: J. BRADSTREE

U.S. EPA/ERTC WAM: OWNER

Date: 7/13/99

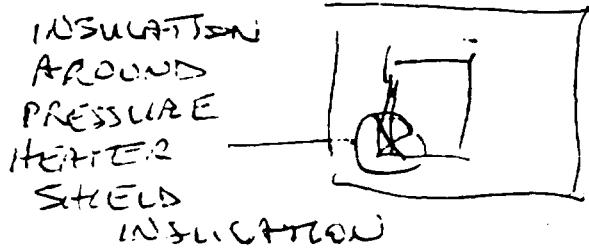
REAC Task Leader: METZ

Drum/Tank #: INSULATION

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM oil	POSSIBLE ACM INSULATION
26330	

Sampling Diagram:



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: INSULATION

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: GREY, Odor: N/A, Vapors: N/A

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA#: Q-072

Sampler: T. BRADSTREET

U.S. EPA/ERTC WAM: ZOWER

Date: 7/13/99

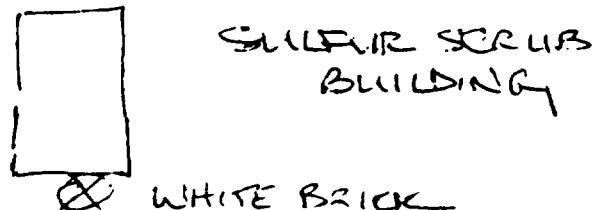
REAC Task Leader: MER

Drum/Tank #: INSULATION "BRICK"

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 012	POSSIBLE ACM
26331	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

2. Container dimensions: Shape: _____

Approximate size: _____

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: _____, Odor: _____, Vapors: _____

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA#: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: _____

Date: 7/15/99

REAC Task Leader: METZ

Drum/Tank #: HORIZONTAL TANK

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM013	Possible ACM INSULATION
26332	

Sampling Diagram



EAST END

AMPLE INFORMATION:

1. Container type: Drum, Tank, Other: _____

Container dimensions: Shape: HORIZONTAL

Approximate size: _____

4. Label present: No, Yes: _____

Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

Color: GREY, Odor: NA, Vapors: NA

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

Page 1 of 1



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA# 0-072

Sampler: J. BRADY PEES

U.S. EPA/ERTC WAM: _____

Date: 7/16/99

REAC Task Leader: METZ

Drum/Tank #: PIPE INSULATION

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACMO 14	POSSIBLE ACM INSULATION
26333	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: PIPE

2. Container dimensions: Shape: O

Approximate size: 8" TIP = 1" INSULATION

3. Label present: No: _____ Yes: _____

4. Spill or Leak present: No: _____ Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

6. Color: GREY, Odor: NA, Vapors: NA

Other: _____



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page 1 of 1



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WAM: 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: _____

Date: 7/16/99

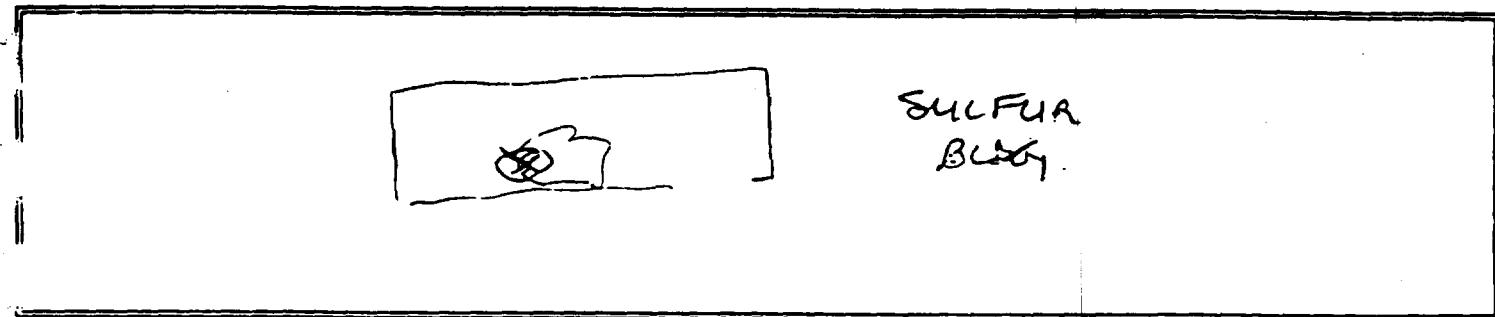
REAC Task Leader: METS

Drum/Tank #: SCRAP PILE

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 015	SUSPECT ACM
26334	

Sampling Diagram



AMPLE INFORMATION.

1. Container type: Drum, Tank, Other: SCRAP PILE

Container dimensions: Shape: 3.5' HT CONE

Approximate size: 5' DIA

3. Label present: ✓ No, Yes: _____

Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (✓ powder or crystals), sludge

Color: GREY, Odor: NA, Vapors: NA

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA# 0-072

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: _____

Date: 7/16/99

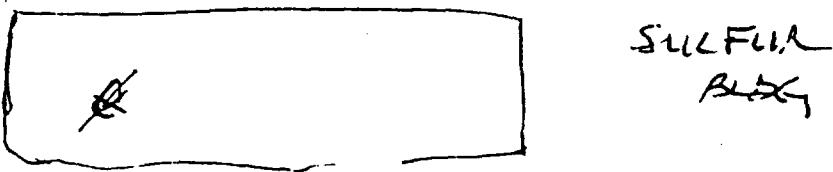
REAC Task Leader: METZ

Drum/Tank #: PIPE INSULATION

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM oil	POSSIBLE ACM INSULATION
26335	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum. Tank, Other: PIPE INSULATION

2. Container dimensions: Shape: C

Approximate size: _____

3. Label present: ✓ No: _____ Yes: _____

4. Spill or Leak present: ✓ No: _____ Yes, Dimensions: _____

5. Description: liquid. solid (✓ powder or crystals), sludge

Color: GREY, Odor: NA, Vapors: NA

Other: _____



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Page 1 of 1

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA# 0-072

Sampler: J. BRAUNSTEIN

U.S. EPA/ERTC WAM: _____

Date: 7/16/99

REAC Task Leader: METZ

Drum/Tank #: SEPARATE BETWEEN TANKS Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM C17	POSSIBLE ACM INSULATION
26336	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: PIPE INSULATION

2. Container dimensions: Shape: O 6" PIPE TIA

Approximate size: _____

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

Color: GREY, Odor: NA, Vapors: NA

Other: _____



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Page 1 of 1
REAC

Site: _____

WA#: 0-072

Sampler: 1 BLOODSTREE

U.S. EPA/ERTC WAM: _____

Date: 7/16/91

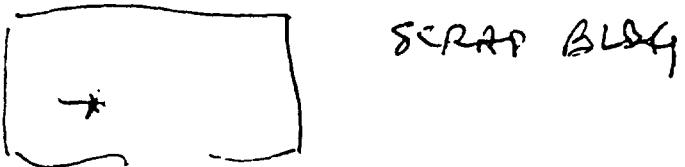
REAC Task Leader: METZ

Drum/Tank #: SCRAP MATERIAL

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 018	possible ACM
26337	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: SCRAP MATERIAL

2. Container dimensions: Shape: C 1" ID 5" OD

Approximate size: 4' Long

3. Label present: No: _____ Yes: _____

4. Spill or Leak present: No: _____ Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

Color: gray/green, Odor: NA, Vapors: NA

Other: _____



U.S. Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____
WA#: 0-072

Sampler: J. BRADSHAW

U.S. EPA/ERTC WAM: _____

Date: 7/16/99

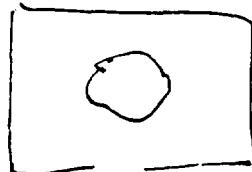
REAC Task Leader: MFFF

Drum/Tank #: SCRAP SILE

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 019	POSSIBLE ACM
26338	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum. Tank. Other: SCRAP SILE

2. Container dimensions: Shape: CONE

Approximate size: 5' HT 10' BASE

3. Label present: No. Yes: _____

4. Spill or Leak present: No. Yes, Dimensions: _____

5. Description: liquid. solid (powder or crystals). sludge

6. Color: Grey, Odor: NA, Vapors: NA

7. Other: _____



U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet

REAC

Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA#: Q-072

Sampler: I. BRADSTREET

U.S. EPA/ERTC WAM: _____

Date: 7/16/99

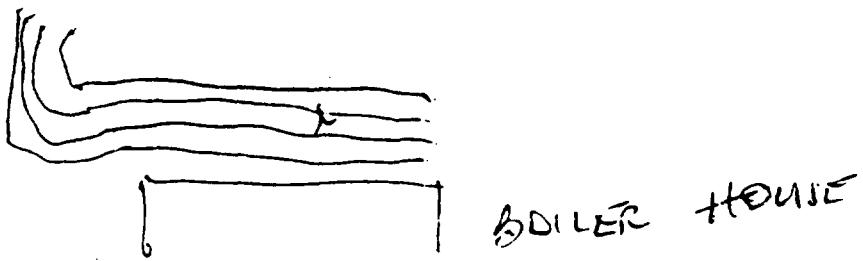
REAC Task Leader: MEEZ

Drum/Tank #: PIPE INSULATION

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 010	POSSIBLE ACM INSULATION
26339	

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: PIPE INSULATION

2. Container dimensions: Shape: D 6" CT 1" INSUL

Approximate size: _____

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

Color: GREY, Odor: NA, Vapors: NA

Other: _____



**U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Drum/Tank Sampling Work Sheet**



Lockheed Martin Corp., Edison, NJ
EPA Contract No. 69-C99-223

Site: _____

WA#: 0-DPZ

Sampler: J. BRADSTREET

U.S. EPA/ERTC WAM: _____

Date: 7/16/99

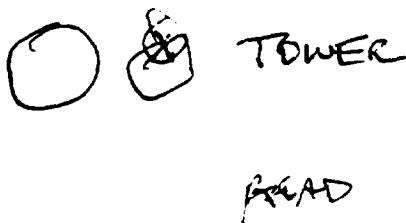
REAC Task Leader: METZ

Drum/Tank #: ACCESS AREA

Approximate Volume: _____

Sample Number	Comments: (i.e. volume, depth sampled, etc.)
ACM 021	POSSIBLE ACM INSULATION
26340	_____
_____	_____
_____	_____

Sampling Diagram



SAMPLE INFORMATION:

1. Container type: Drum, Tank, Other: TOWER

2. Container dimensions: Shape: circle

Approximate size: _____

3. Label present: No, Yes: _____

4. Spill or Leak present: No, Yes, Dimensions: _____

5. Description: liquid, solid (powder or crystals), sludge

Color: grey, Odor: Nt, Vapors: N/A

Other: _____